

The background is a collage of overlapping geometric shapes in blue, yellow, purple, and green. Various architectural drawings of ironmongery are scattered throughout, including door handles, hinges, and decorative plates.

ARCHITECTURAL IRONMONGERY

M·A·C

CATALOGUE **89**

This Ironmongery Catalogue has been produced after two years of research and preparation, and we believe will fill a long-felt want. We have tried to include a really representative collection of the best British and Continental designs presented in a straightforward and compact form.

A lot of trouble has been taken to ensure that the illustrations and dimensional diagrams are as accurate as possible, and great care has been devoted to the compilation of the text.

Sectional and numerical indexes have been included, and as a further aid to easy selection each section is printed in a different background colour.

PRICE GUIDE

For

Architectural Ironmongery Catalogue 89



Avon Works · Bristol 3

PRIVATE TO THE TRADE

SEPTEMBER 1961

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The prices shown in Catalogue 89 are net trade prices and are subject to $2\frac{1}{2}\%$ monthly settlement discount.

The following is a guide to alterations which have taken place since the catalogue was compiled.

Page	Article				%	Page	Article				%
11	6036	..	..	..	- 5	65	4585	4583	7505	..	- $2\frac{1}{2}$
12 to 14	All items				+ $2\frac{1}{2}$	66 to 70	All items				+ $2\frac{1}{2}$
21 to 28	All items				+ $2\frac{1}{2}$	71	7623	7634	7633	5273	+ $2\frac{1}{2}$
30 to 37	All items				+ $2\frac{1}{2}$		5280	..	..	..	+ $2\frac{1}{2}$
38	3325	5400	2781	2402	+ $2\frac{1}{2}$	72	3202	2362	3240	..	+ $2\frac{1}{2}$
	5439	..	..	..	+ 5	74	9100	9101	9102	9103	
	5437	..	..	..	+ 10		Reduced by 9/- set				
39	3336	2403	3314	..	+ 10	75 to 77	All items				+ $2\frac{1}{2}$
	2409	6631	..	..	+ $2\frac{1}{2}$	78	3841	7831	7832	3878	+ $2\frac{1}{2}$
40	2621	..	..	..	+ $2\frac{1}{2}$		7830	..	..	..	+ $2\frac{1}{2}$
	2623	..	..	..	+ $7\frac{1}{2}$		3876	..	..	..	+ 5
41 to 50	All items				+ $2\frac{1}{2}$	79	All items				+ $2\frac{1}{2}$
52 to 55	All items				+ $2\frac{1}{2}$	80	2928	..	..	..	- $2\frac{1}{2}$
56	7107	Errata	..	..	- 50		Remainder	..	..	..	+ $2\frac{1}{2}$
	Remainder	..	..	..	+ $2\frac{1}{2}$	81	7916	3714	7904	..	+ $2\frac{1}{2}$
57	All items				+ $2\frac{1}{2}$		3700	..	..	..	- $2\frac{1}{2}$
58	All items				+ $2\frac{1}{2}$	82	All items				+ $2\frac{1}{2}$
59	2932	2933	..	..	- $2\frac{1}{2}$	83	2406	..	..	..	- 5
	Remainder	..	..	..	+ $2\frac{1}{2}$		2925	..	..	..	- $2\frac{1}{2}$
60	2938	1124	..	..	- $2\frac{1}{2}$	84	7905	7917	3746	2392	+ $2\frac{1}{2}$
	7083	7006	7004	..	+ $2\frac{1}{2}$		7903	..	..	..	+ $2\frac{1}{2}$
							2934	..	..	..	- $2\frac{1}{2}$
						85	8541	2378	8540	8543	+ $2\frac{1}{2}$
							8544	..	..	..	+ $2\frac{1}{2}$
						86	All items				+ $2\frac{1}{2}$
						87	2786	8553	8554	8555	+ $2\frac{1}{2}$
							8556	8557	8558	..	+ $2\frac{1}{2}$

Page	Article	%	Page	Article	%
88	4460 2631 Remainder — On application	+2½	119	M.555 1439 1139	-5 +5
89	2240 2241	+2½	122	2281	+3½
90	8520 8521	+2½	123	2272 2172 2372 2472 ..	-2½ -3½
91	8522 8523	+2½	126	8717	-10
92	3694 8526	+2½	127	No. 1 723 99	-5 -2½
93	8002 3768 2821 8504 W.S.7 W.S.6	+2½ +7½	128	706	-2½
94	8501 3985 2117 ..	+2½	129	2N.95 2N.96	+2½
96 to 105	All items	+2½	130	1038 1K.59 1K.21 1K.11 7008 7005	-5 +2½ +2½
106	1906 1907 Remainder	-2½ +2½	131	All items except 8306 and 8307	-2½
107	All items	+2½	132	5135 5162 8310 PCP	-2½ -10
108	All items	+2½	134	2577 2463 1024	-10 -5
109	8628 8629 8630 8631 Remainder — On application	+2½	135	829 835 Errata 1532	+12½ +5
110	8635 8636 8637 8638 8639 8640 8641 2856 8646 2829 8647 8648 8649 } On application	+2½ +2½	142	2218 Errata 2553	-50 -7½
111	2297 2097 2197 2397 2497	-2½ -3½	146	W.S.1 W.S.5 W.S.4 8001 8003	-5 -2½
112	2237 2037 2167 2437	-3½ +5	147	2534	-2½
114	2277 2077 2177 2477	-5 -10 +5	150	850 8027	+5
117	Chubb 5 lever range — Not yet available		151	8019 8030	+10
			152	848 849	-5 -2½



THE METAL AGENCIES Co. Ltd.,

Avon Works

Winterstoke Road

Bristol 3

Telephone 664611



This Catalogue has been produced to meet the need for a comprehensive collection of the best English and Continental designs, presented in a straightforward and concise form.

The criterion of choice has been excellence of design and a high standard of workmanship. As quality is the keynote no attempt has been made to include anything just because it is cheap.

The greatest care has been taken in the preparation of the illustrations, the compilation of the text and the scale diagrams, which we hope will make selection easy. Later developments and improvements in design may necessitate minor dimensional modifications.

Matching fixing screws are generally supplied, and this is indicated in the text; where no such indication is given these should be ordered separately.

The Catalogue is divided into seven main sections, each with a colour identification. A Section Colour Key and Contents Table are on Page v.

A numerical Index, Section H, is at the end of the Catalogue.



BRISTOL CO-OPERATIVE
SOCIETY LTD. STORES,
WESTON-SUPER-MARE.
Architectural Ironmongery
supplied by M.A.C.
(Architect S. T. Wyatt, Esq.,
A.R.I.B.A., A.I. Struct. E.)



REDCLIFF FLATS
BRISTOL.
Architectural
Ironmongery
supplied by M.A.C.
(City Architect,
Albert H. Clarke, Esq.,
F.R.I.B.A., A.M.T.P.I.
Photograph by
courtesy of John Laing
& Son Ltd., Building
and Civil Engineering
Contractors.)



LOCKLEAZE
SCHOOL,
BRISTOL.
Architectural
Ironmongery
supplied by
M.A.C.
(City Architect,
Albert H. Clarke,
Esq., F.R.I.B.A.,
A.M.T.P.I.)



**ARCHITECTURAL
IRONMONGERY
SHOWROOM
COLSTON STREET, BRISTOL**



A wide range of the items in this Catalogue are on display, and a cordial invitation is extended to you to visit our Architectural Ironmongery Showroom, on the 3rd floor.

Wherever possible Door and Window Fittings are displayed to demonstrate their application in actual use. Door Furniture is mounted on vertically sliding panels, which move easily to any height to aid selection.



SECTIONAL INDEX AND COLOUR KEY

PUSH PULL HANDLES
SWING DOOR HANDLES
GRIP HANDLES
FINGER PLATES

1-40

LEVER FURNITURE
PERIOD SUITES
KNOB FURNITURE
KNOBSETS

41-74

CENTRE DOOR KNOBS
DOOR KNOCKERS AND BELL PUSHES
LATCH KNOCKERS AND PULLS
CYLINDER LATCH POSTAL KNOCKERS
POSTAL KNOCKERS AND LETTER PLATES

75-84

INDICATING FITTINGS AND BOLTS
PANIC BOLTS AND LATCHES
DOOR STOPS AND HOLDERS
FLOOR SPRINGS
DOOR CLOSERS AND HINGES

85-110

DETAINDER LEVER AND CYLINDER LOCKS
LATCHES AND CYLINDER LATCHES
CABINET LOCKS
PADLOCKS AND PADLOCK BARS

111-130

CUPBOARD AND DRAWER FITTINGS
GRILLES, HANDRAIL FITTINGS
WINDOW FITTINGS
CLOAKROOM FITTINGS
ANTIQUE IRONWORK

131-160

ILLUMINATED SIGNS
SIGN LETTERS IN METAL, WOOD OR PERSPEX
NAME PLATES IN METAL OR PERSPEX
BRONZE COMMEMORATION PLAQUES

161-170

NUMERICAL INDEX

171-174



A certain amount of confusion exists with regard to the various finishes that can be applied to the basic metals used in modern ironmongery. Finishes fall roughly into four main groups; we hope the following references will be of help.

GROUP 1.

Plated Finishes.

Satin Chromium Plated. Polished Chromium Plated. Satin Nickel Plated.

These are electroplated finishes usually on Brass or Diecast Alloy (Zinc). Satin finishes have an attractive matt appearance which is becoming increasingly popular.

GROUP 2.

Anodised Finishes.

(a) British—Silver and Satin Silver Anodised.

Anodising is obtained electrically by the formation of an oxide film on aluminium alloys. Silver Anodised has a silvery white colour and Satin Silver (originally developed on the Continent) a yellowish tint.

(b) Continental ("Ogro")—Satin Silver and Gold.

These finishes are Anodised on Lightmetal Alloy. The nearest British finish to match "OGRO" Satin Silver is Satin Silver Anodised; other reasonable matching finishes are Satin C.P., Satin Nickel Plated and Satin Nickel Bronze.

Samples of "OGRO" Satin Silver and Gold are available on request.

GROUP 3.

(a) Real Bronze Metal Antique.

This is obtained by heating polished bronze, when oxidation alters the colour, making the surface iridescent with greens, browns and reds which show in different lights.

(b) Bronze Metal Antique Finishes.

These are imitations of Real Bronze Metal Antique which are applied to other basic metals such as Brass and Diecast Alloy (Zinc), so that quantity production methods can be used with resulting economy.

Various processes are favoured by manufacturers to produce these finishes, but the usual method is to apply a colour solution electrolytically.

B.M.A. finish on Brass is not subject to corrosion in the same way as on Diecast Alloy (Zinc), but both finishes are usually protected by a clear lacquer.

Because of the different basic metals used and also the different applications used by manufacturers, there are considerable variations in the shades of B.M.A. finish.

GROUP 4.

Basic Metal Finishes—

Satin Nickel Bronze. Satin Brass.
Satin Bronze.

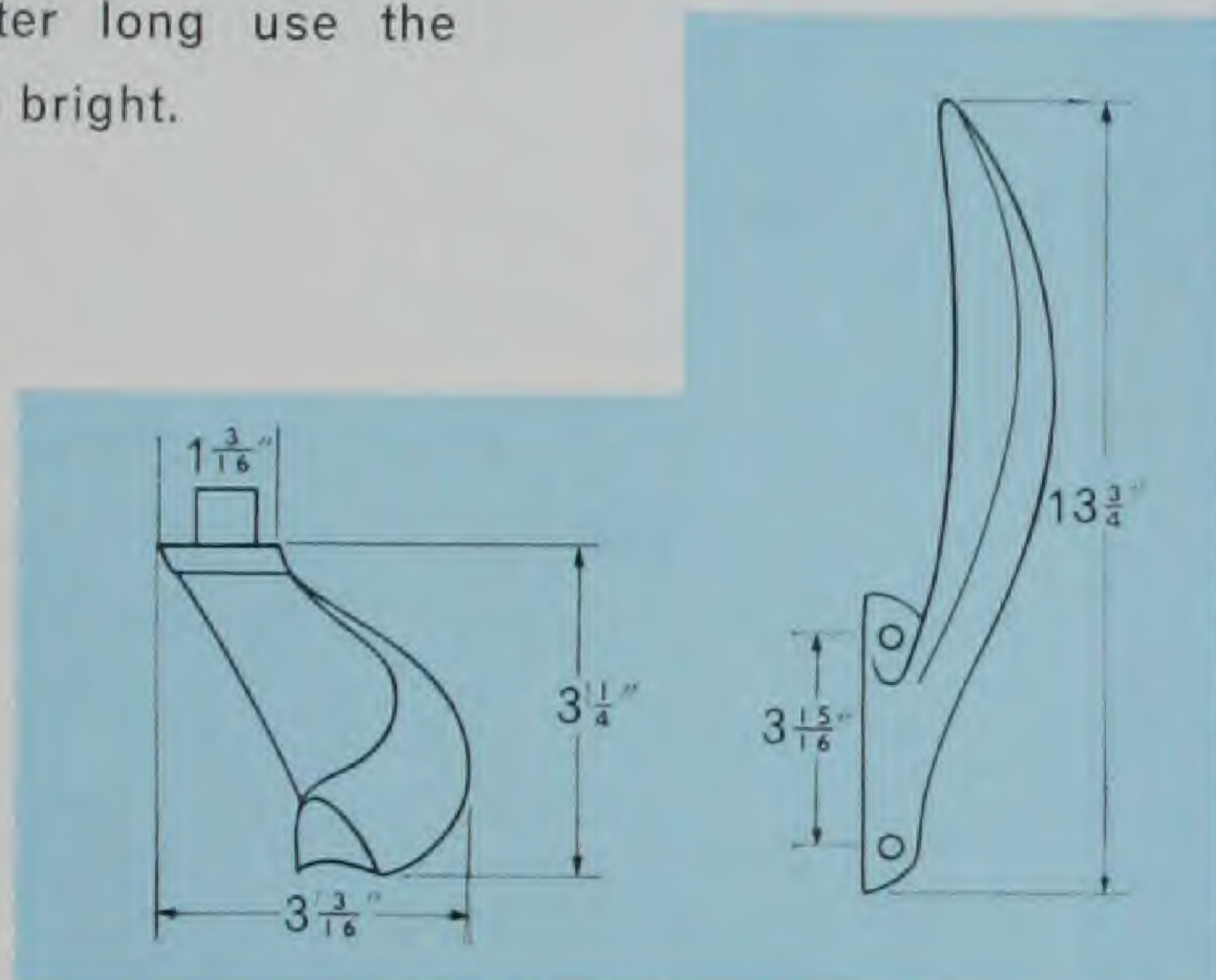
These attractive Matt finishes are natural finishes of the basic metal.

The finishes priced throughout the catalogue are those in regular demand; brief indications of alternatives are given.

OGRO

PUSH PULL HANDLES

OGRO fittings are made from a special non-corrosive Lightmetal Alloy. Even after long use the surfaces remain bright.



Left hand

6023

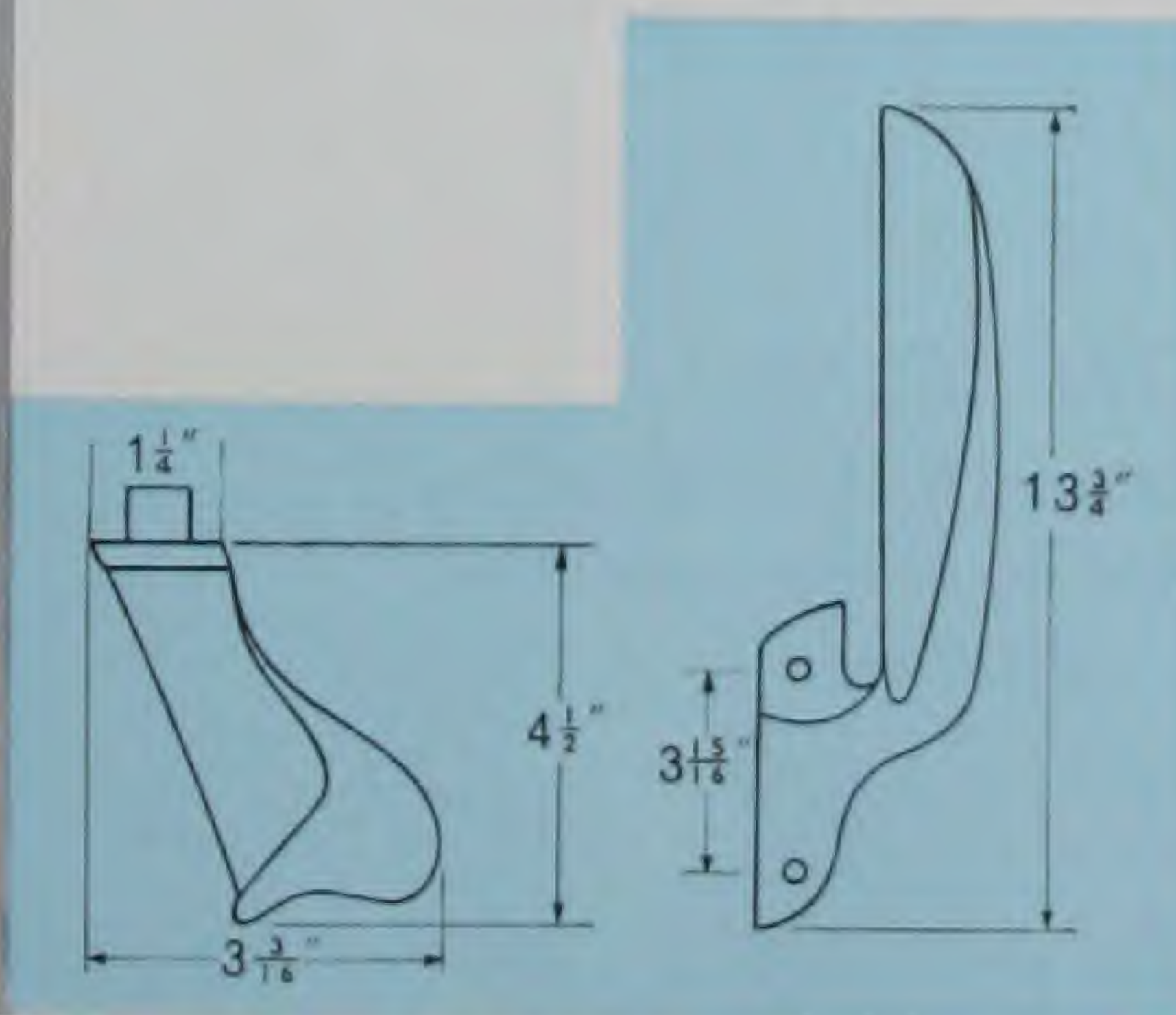
Right hand



Left hand

6024

Right hand



Finish: Satin Silver

Gold

6023

..

..

133/-

153/- each

6024

..

..

128/-

146/- "



Threaded Rod, with two domed nuts—one of the methods of fixing Push Pull Handles. For details and prices of all methods, also instructions for fixing, see page 9.

M·A·C

A V O N W O R K S , B R I S T O L 3

OGRO

PUSH PULL HANDLES

Designed by Professor Wagenfeld, of the
Council of Industrial Design, Darmstadt.

	Finish: Satin Silver	Gold
6009	112/-	128/- each

For fixing details, see page 9.



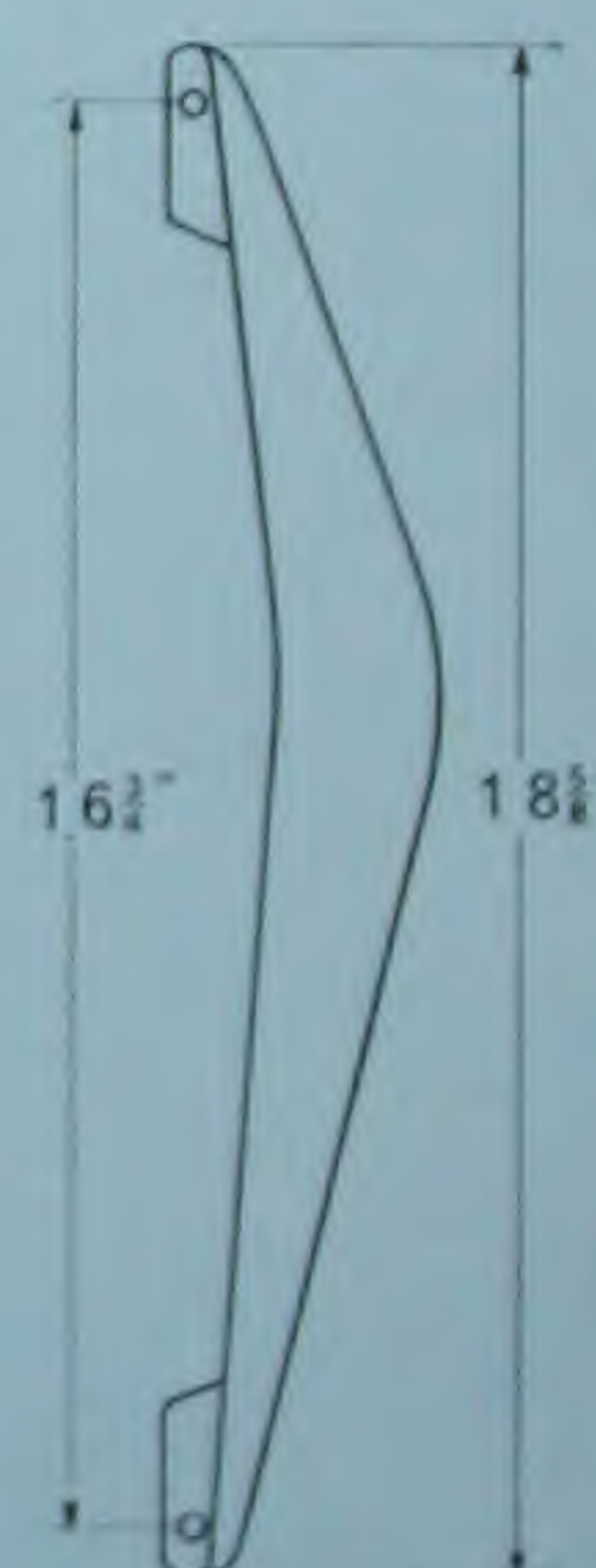
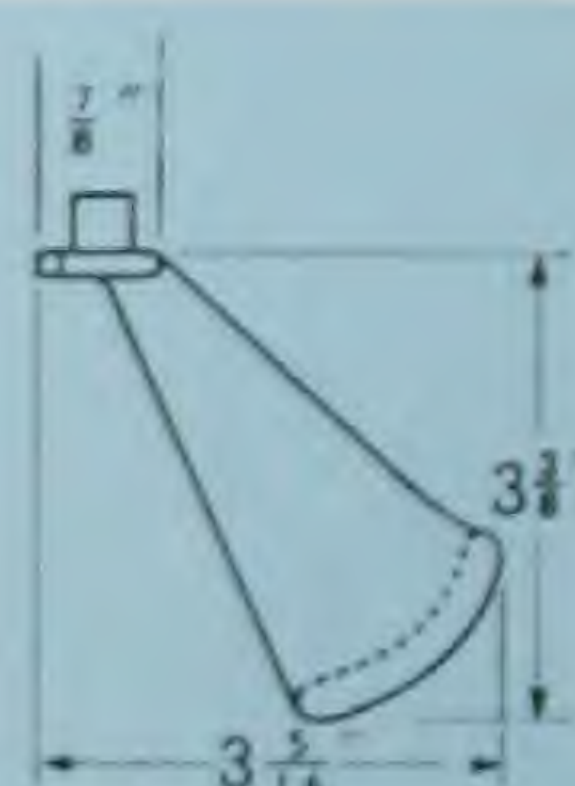
Left hand

6009

Right hand

British Registered Design 886,261

This design has fixing holes at $16\frac{1}{4}"$ centres
and can be used for Armour Plate Glass
Doors with standard drilling.



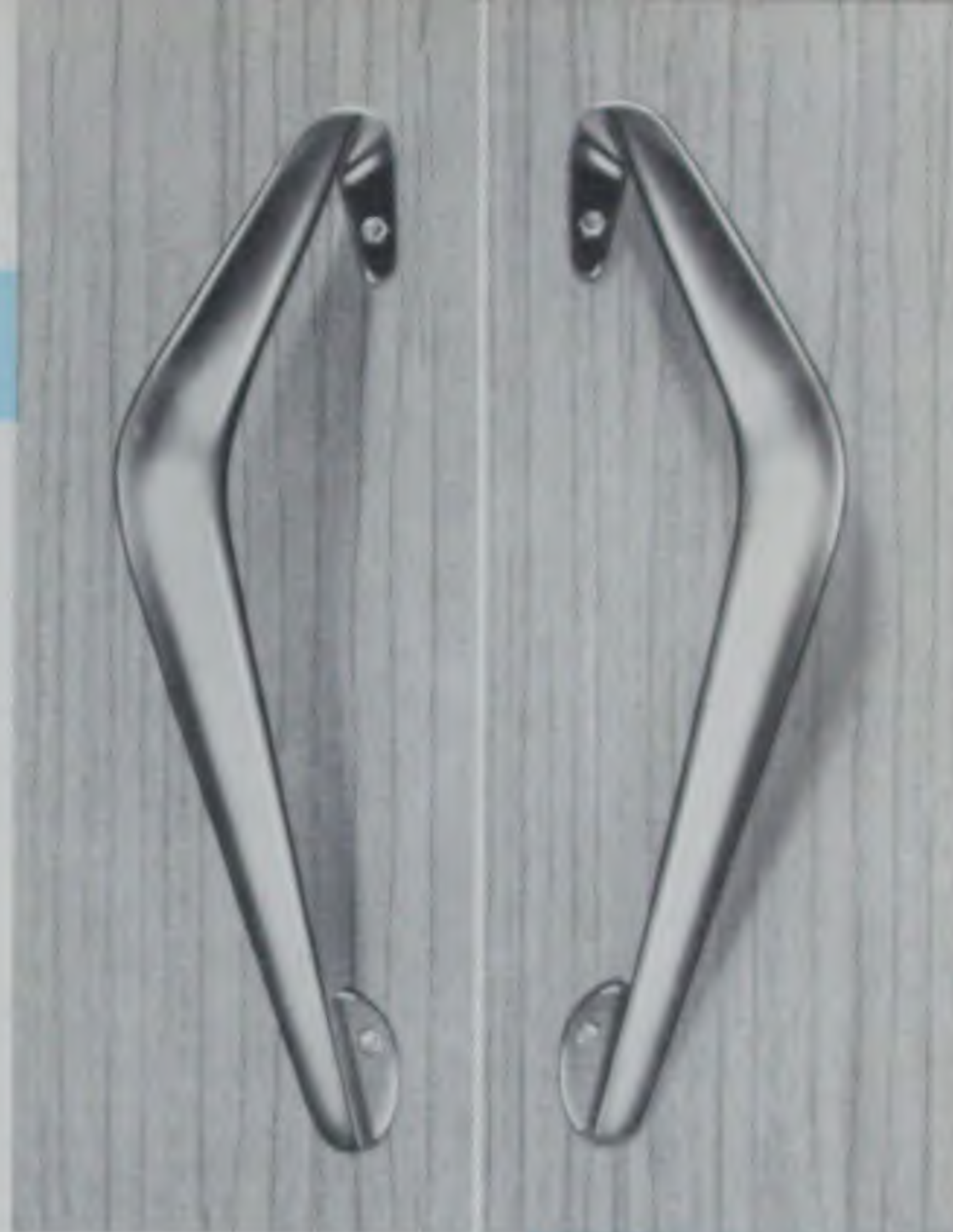
PUSH PULL HANDLES

Designed by Professor Wagenfeld, of The Council of Industrial Design, Darmstadt.

		Finish: Satin Silver	Gold
6010	..	112/-	128/- each
6008	..	120/-	138/- "

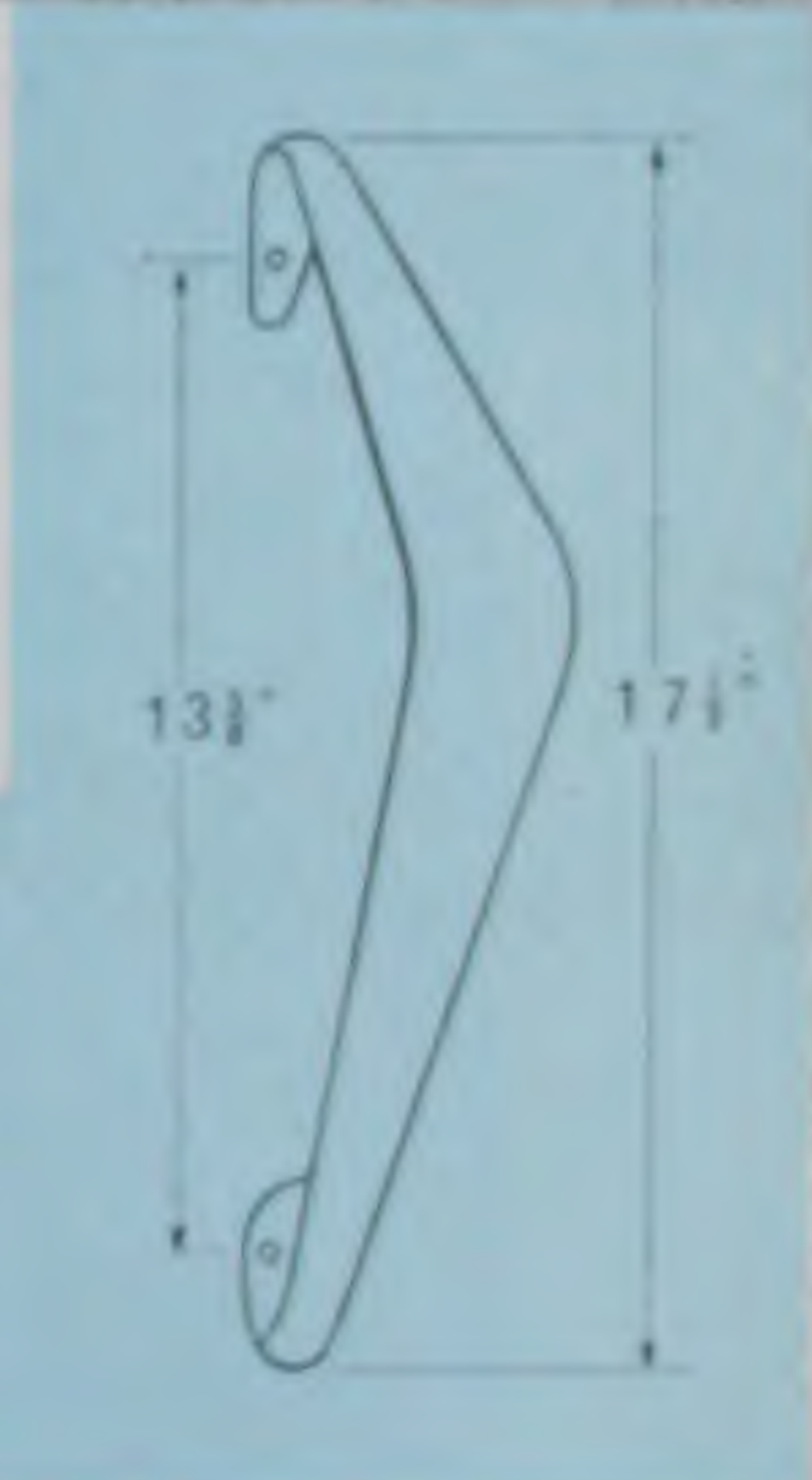
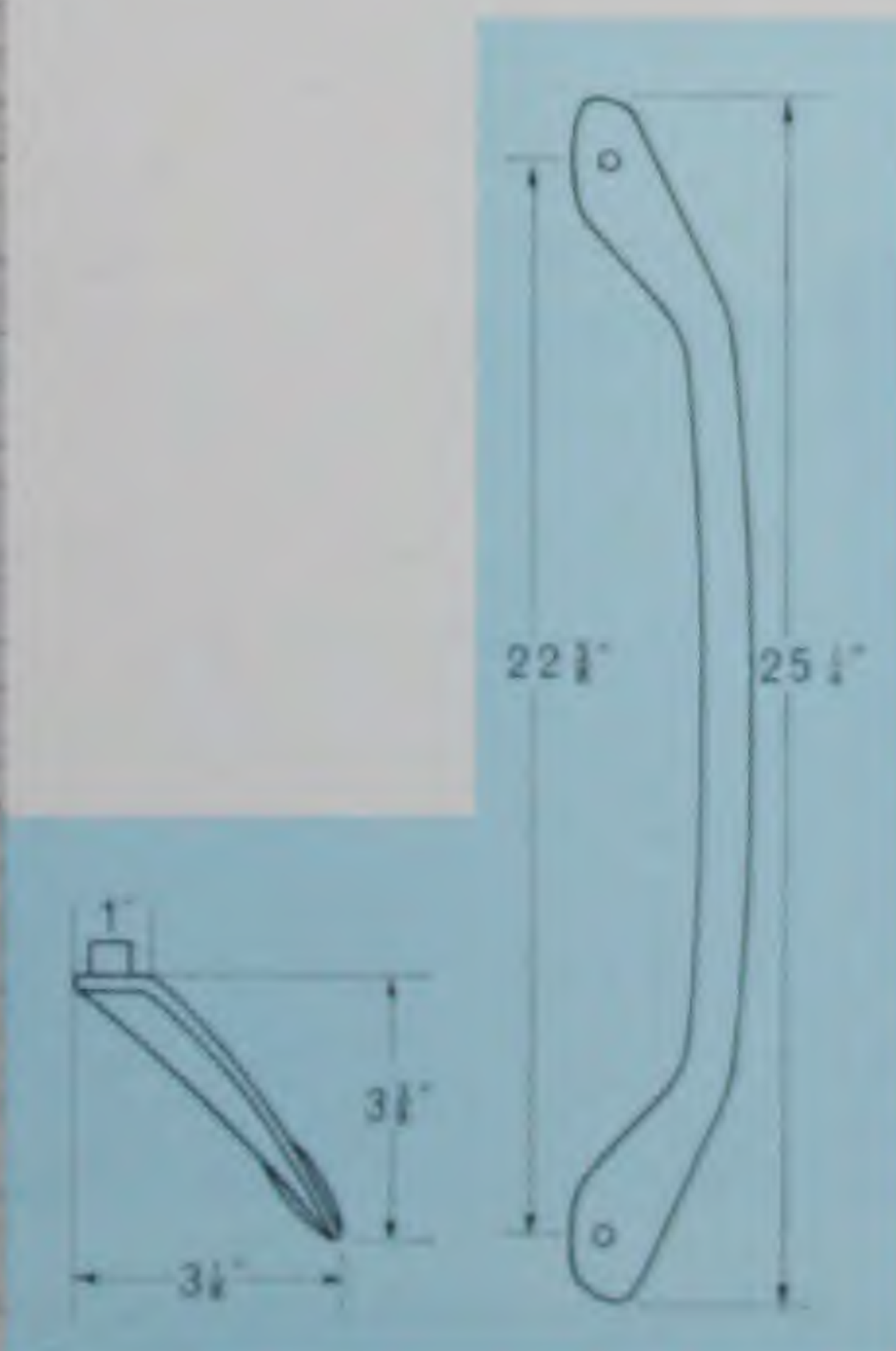


6008



Left hand 6010

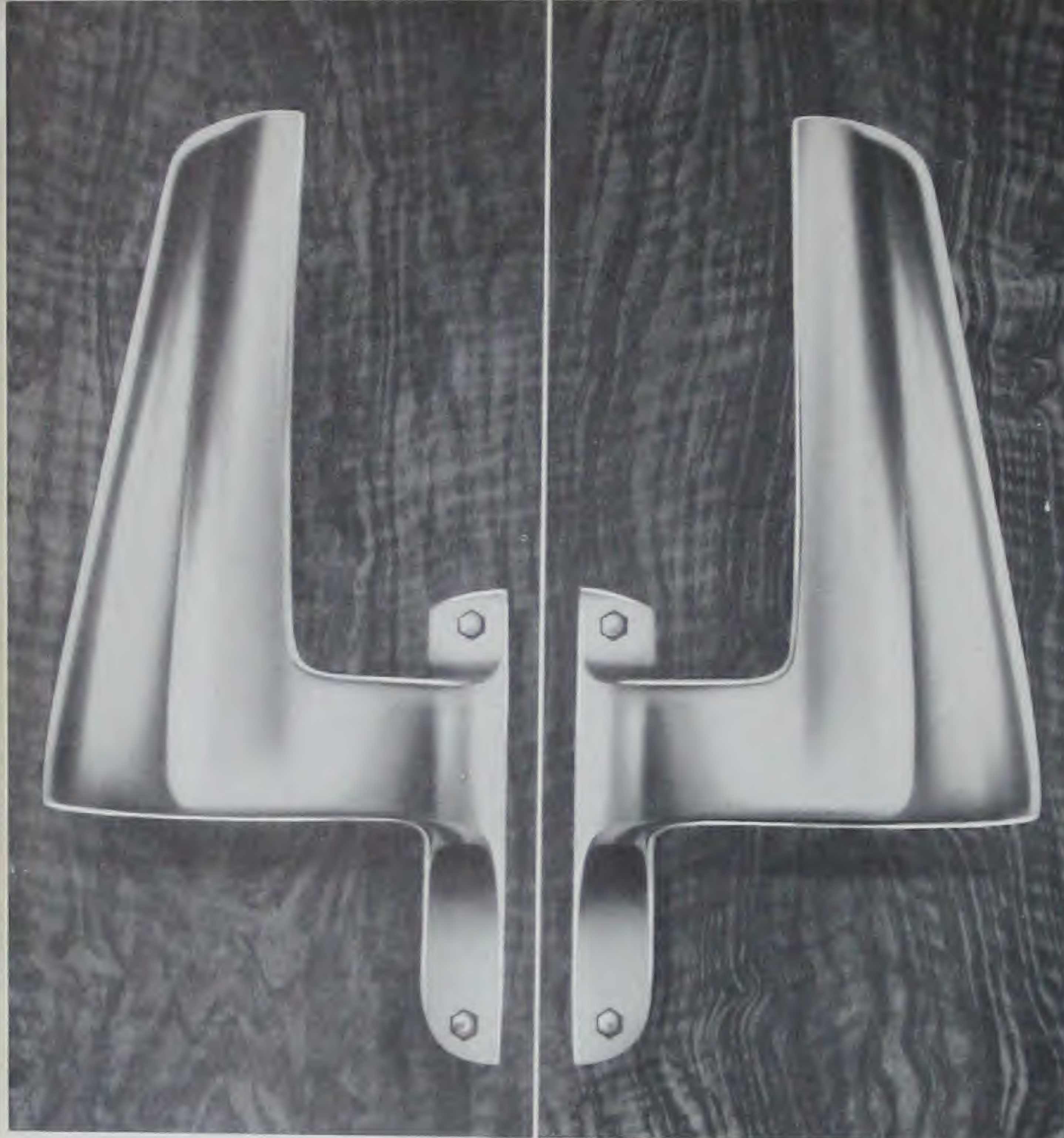
British
Registered
Design 886,260



Threaded Rod, with
two domed nuts—one
of the methods of fixing
Push Pull Handles.
For details and prices
of all methods, also
instructions for fixing,
see page 9.

OGRO

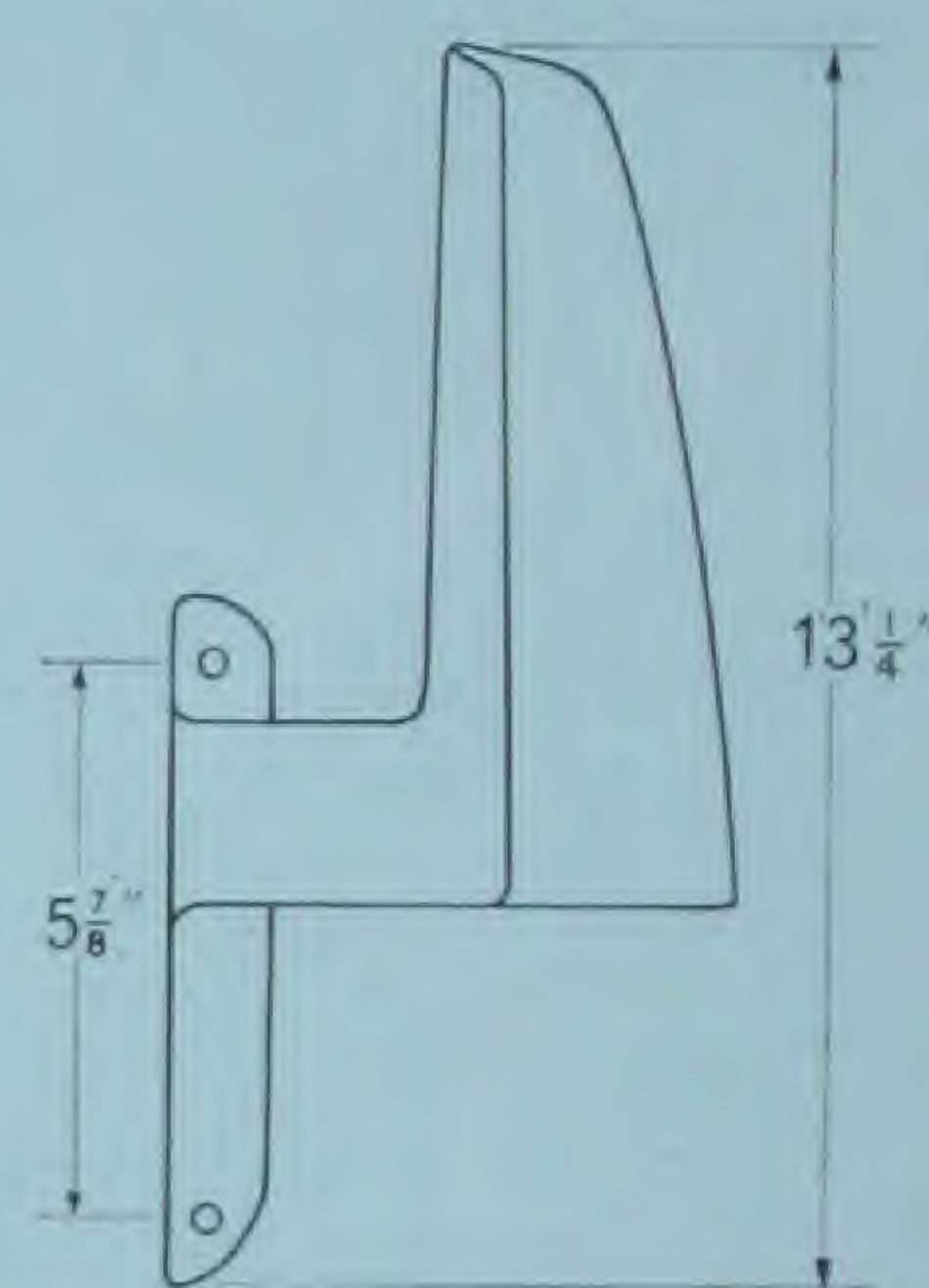
PUSH PULL HANDLES



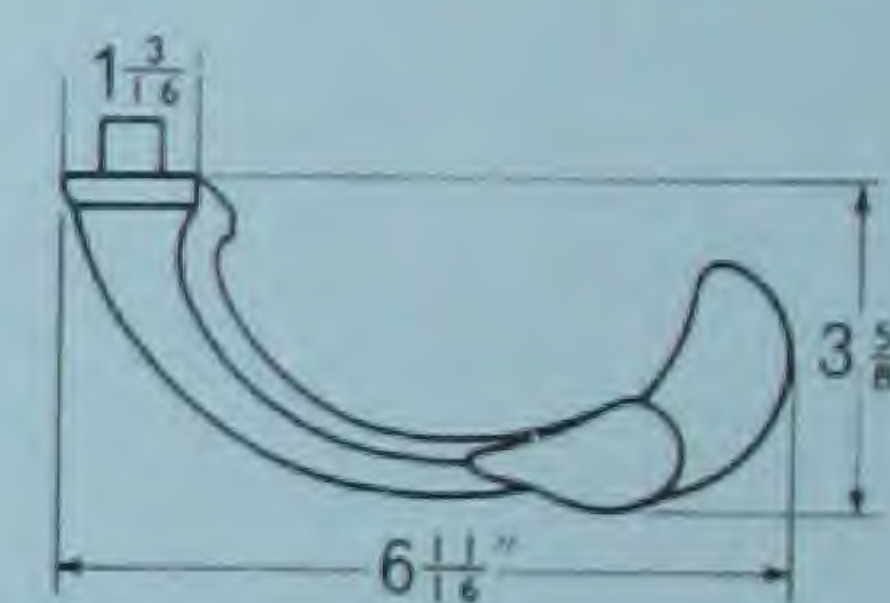
Left hand

6013

Right hand



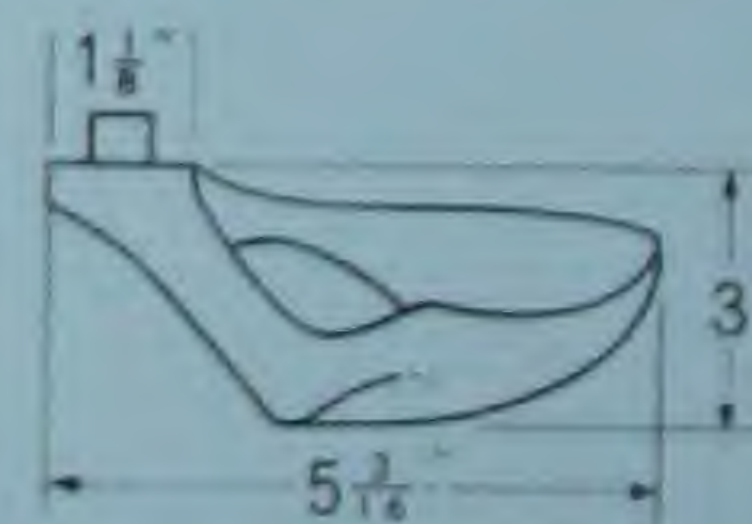
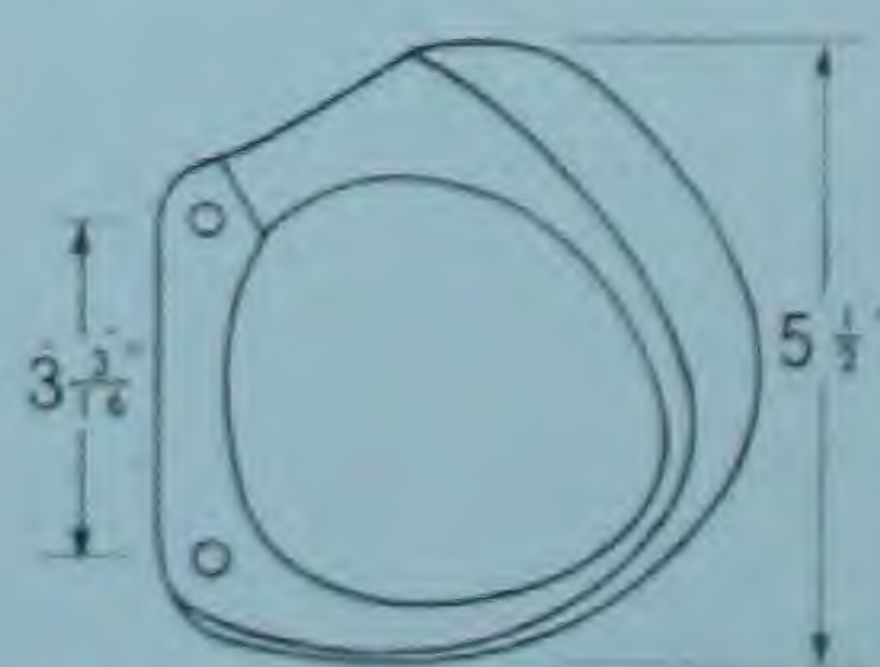
British
Registered
Design 886,262



For fixing instructions, and prices of
fixing bolts and backplates, see page 9.



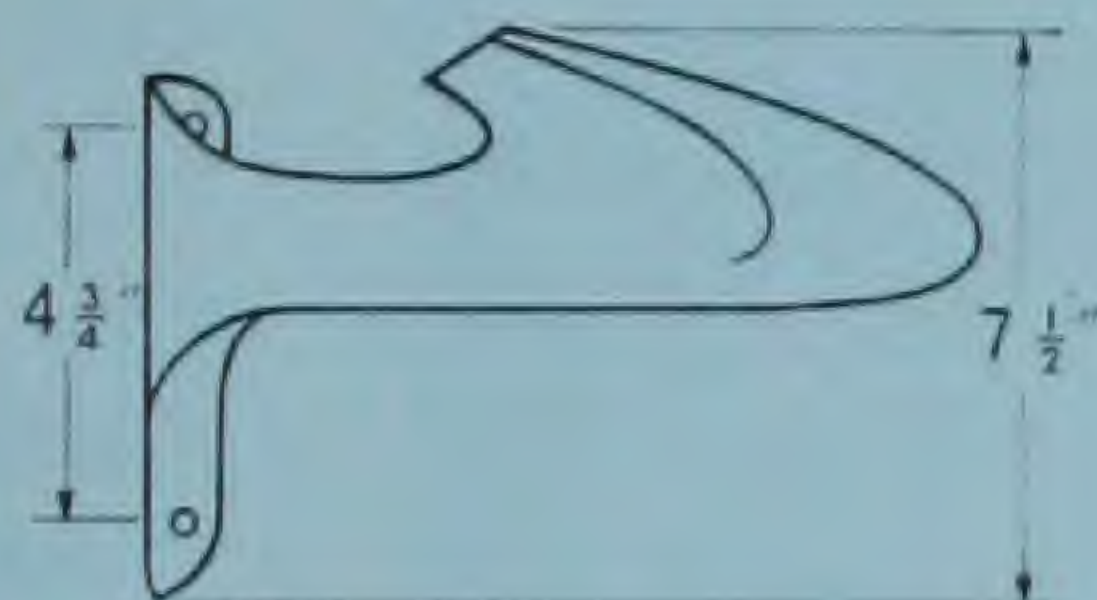
6011 Left hand
(Right hand also available)



		Finish: Satin Silver	Gold
6013	..	160/-	184/- each
6011	..	80/-	92/- "

PUSH PULL HANDLES

British
Registered
Design
886,265

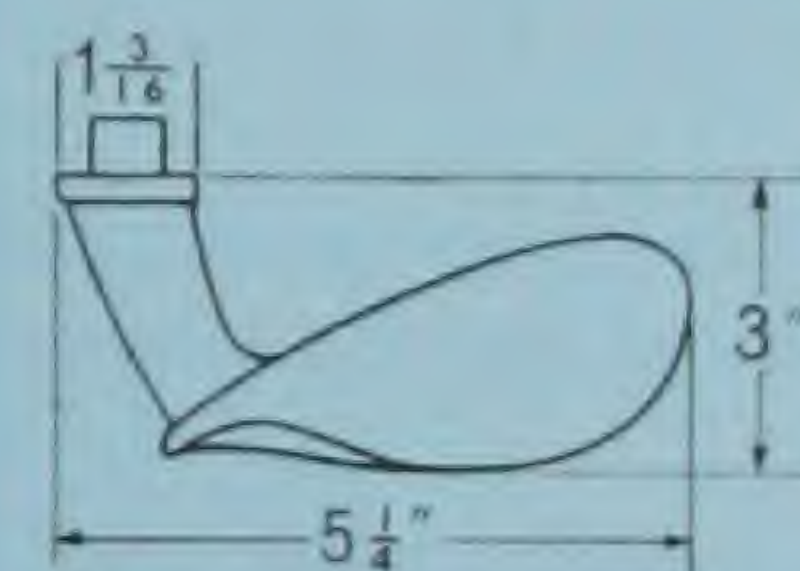
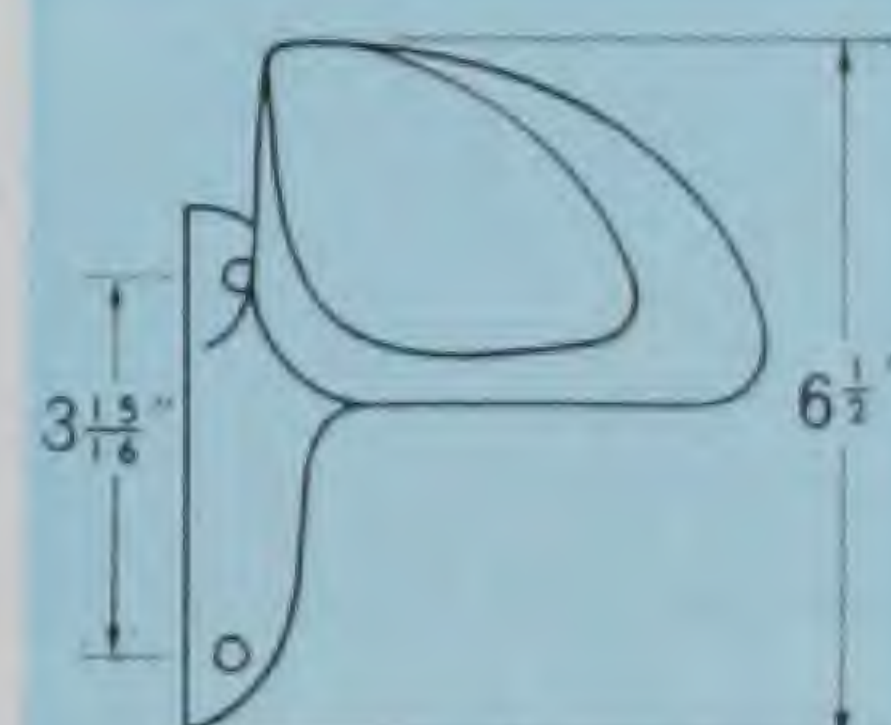
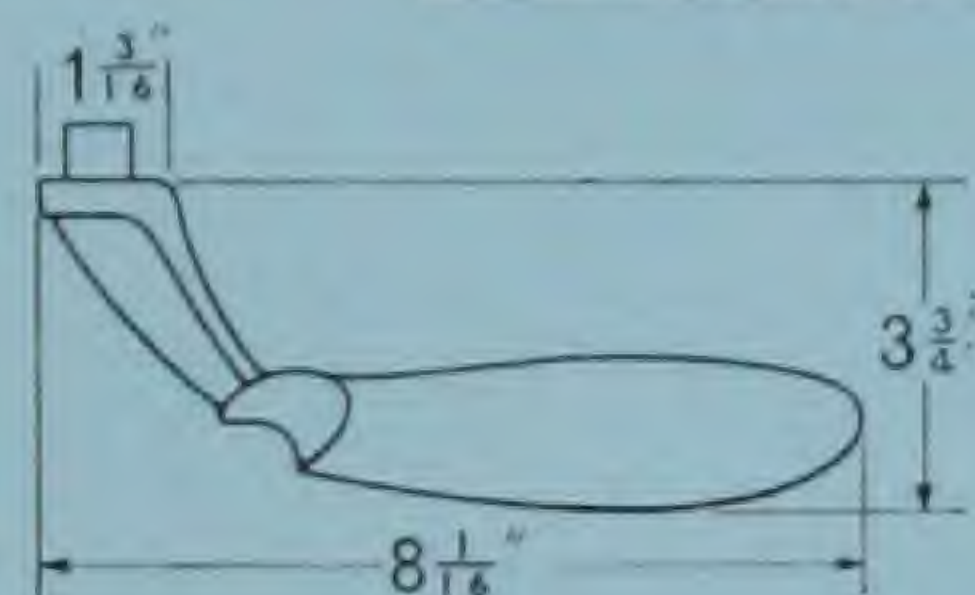


Left hand

6015

Right hand

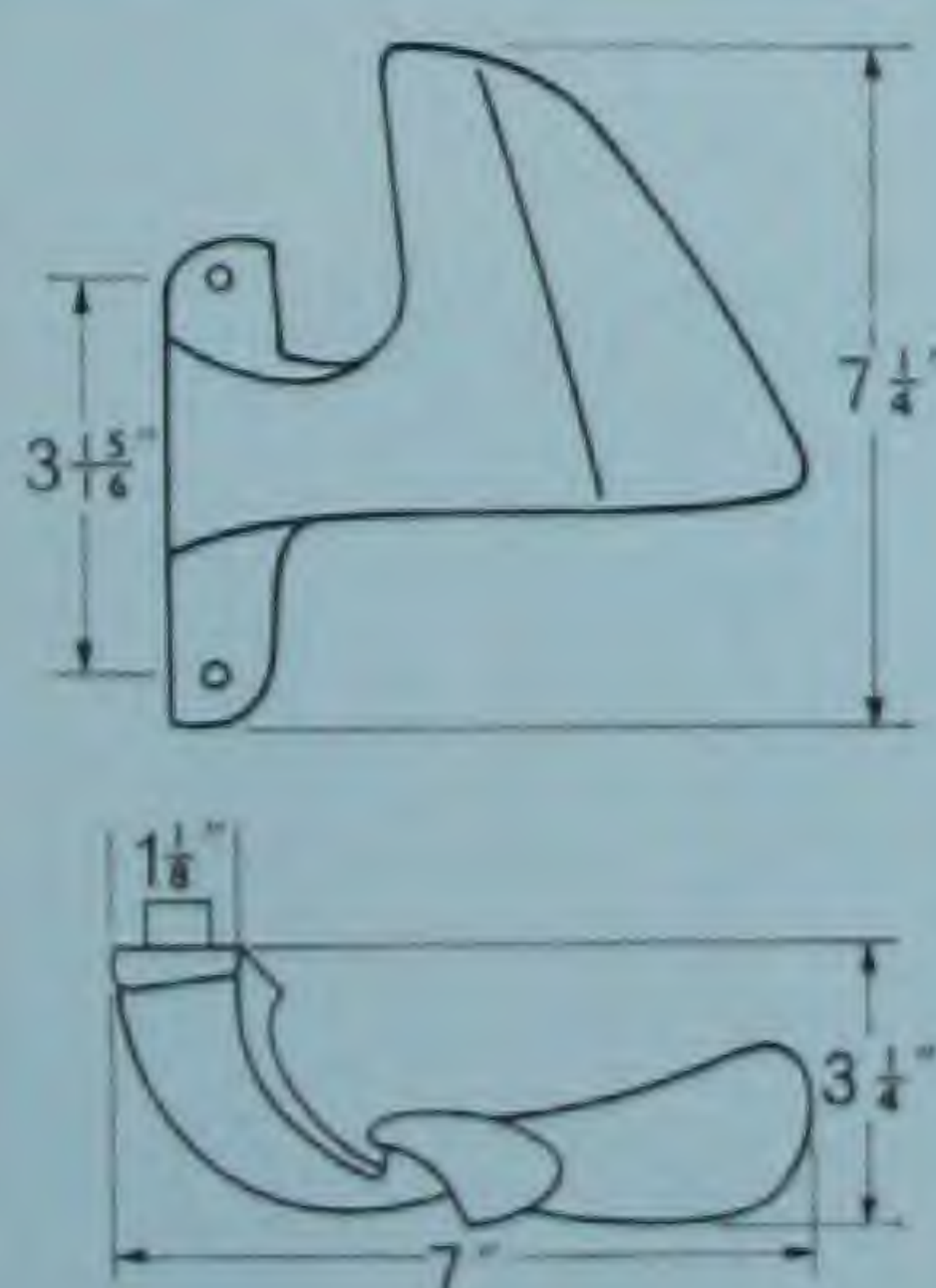
OGRO fittings are made from a special non-corrosive Light-metal Alloy. Even after long use the surfaces remain bright.



		Finish: Satin Silver	Gold
6015	..	120/-	138/- each
6025	..	112/-	128/- "
6014	..	112/-	128/- "



6025 Left hand.
(Right hand also available.)



6014 Right hand.
(Left hand also available.)

For fixing details, see page 9.

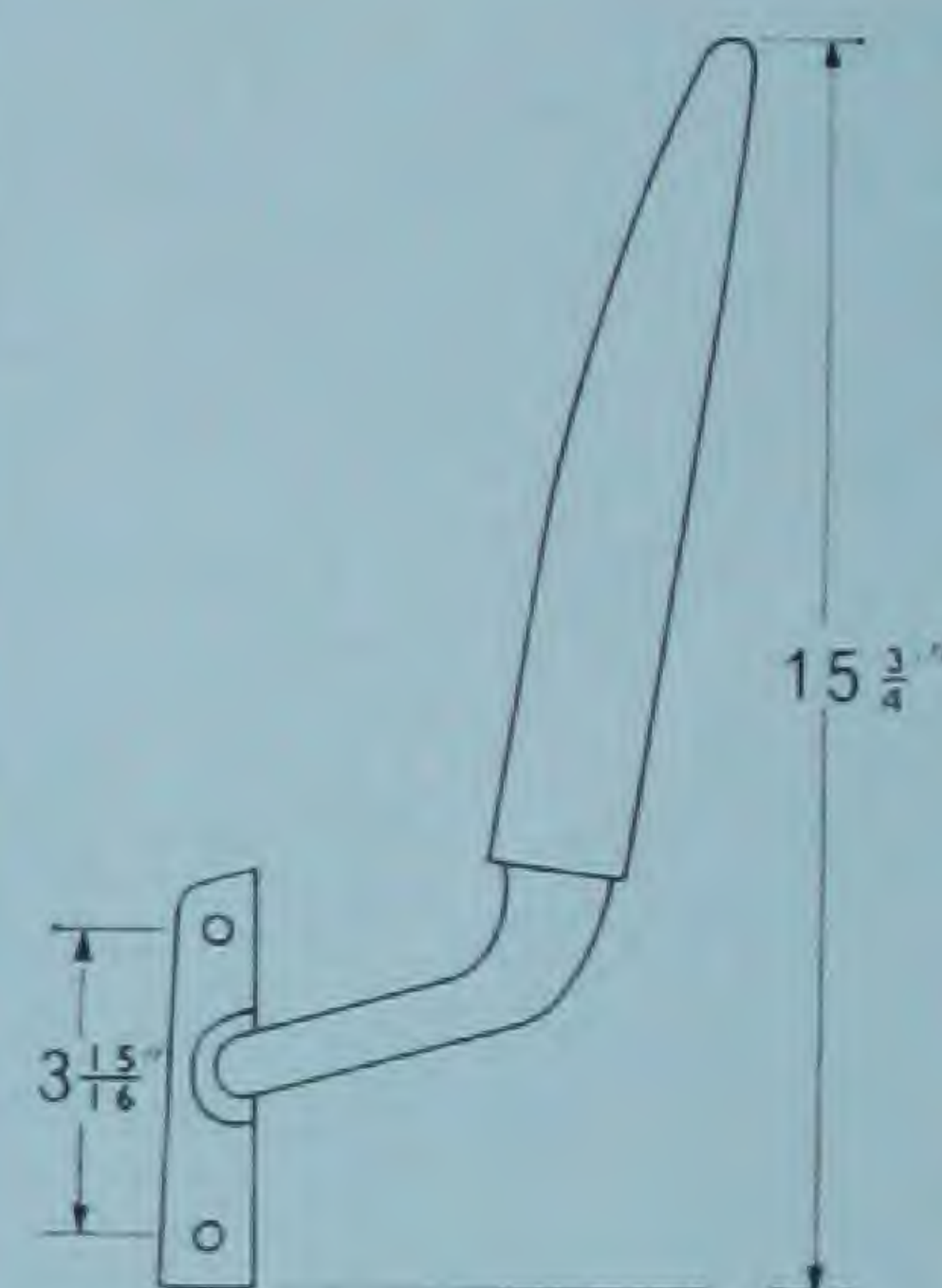
OGRO

PUSH PULL HANDLES

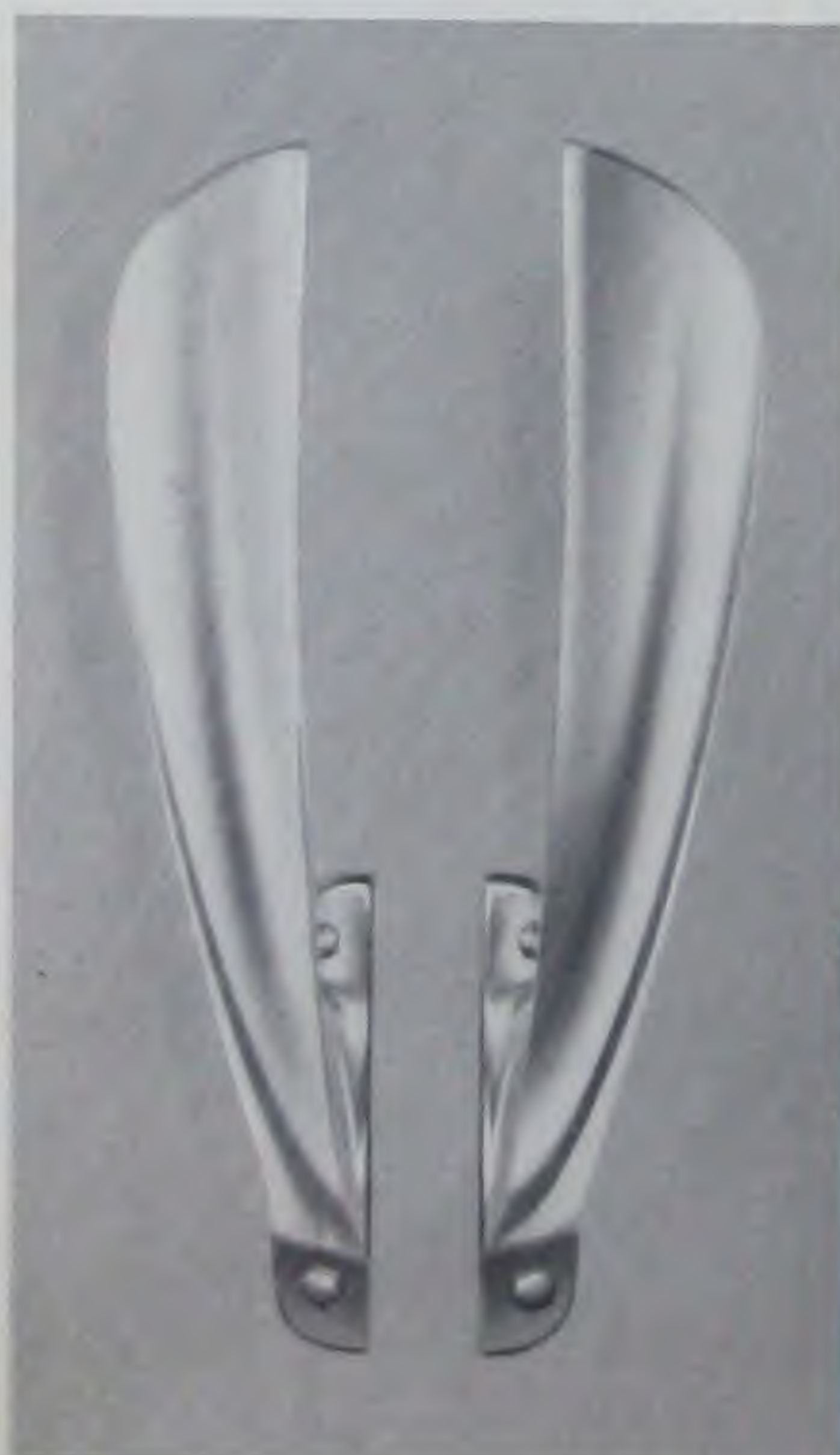
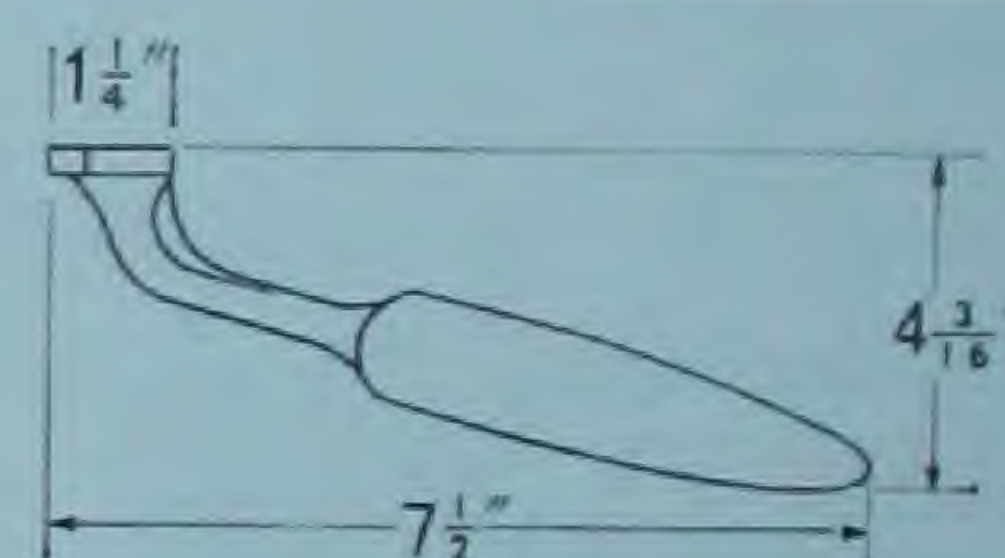


Left hand 6006 Right hand

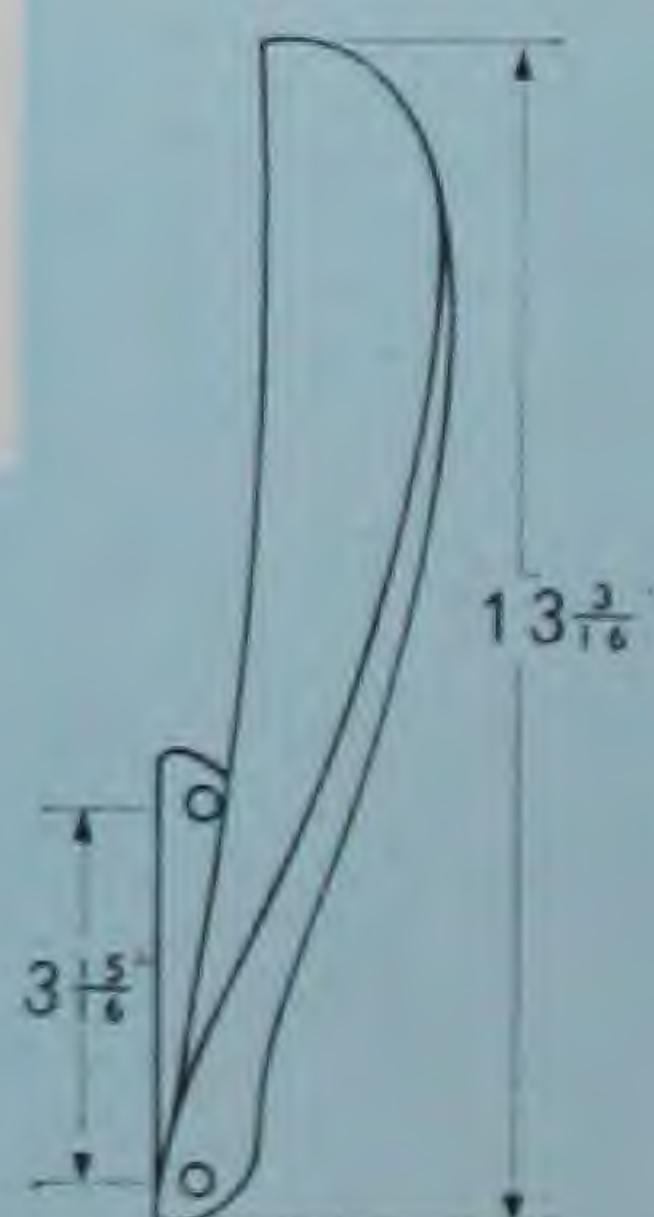
For fixing instructions, and prices of fixing bolts and backplates, see page 9.



6006 is available with either Black or Ivory Plastic Grip.



Left hand 6012 Right hand



				Finish: Satin Silver	Gold
6006	..	..	..	197/-	229/- each
6012	..	..	..	139/-	158/- „

OGRO fittings are made from a special non-corrosive Lightmetal Alloy. Even after long use the surfaces remain bright.

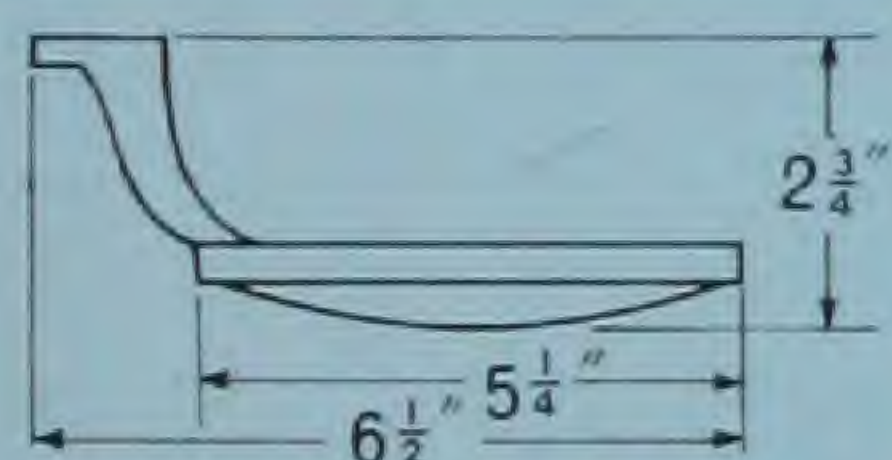
British Registered Design 886,263

PUSH PULL HANDLES

		Finish: Satin Silver	Gold
6022	..	56/-	64/- each
6020	..	48/-	55/- "
6021	..	40/-	46/- "
6019	..	60/-	69/- "



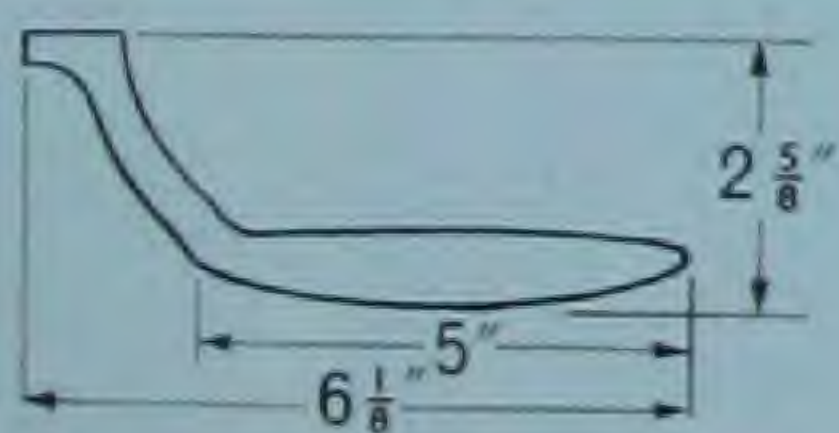
6020



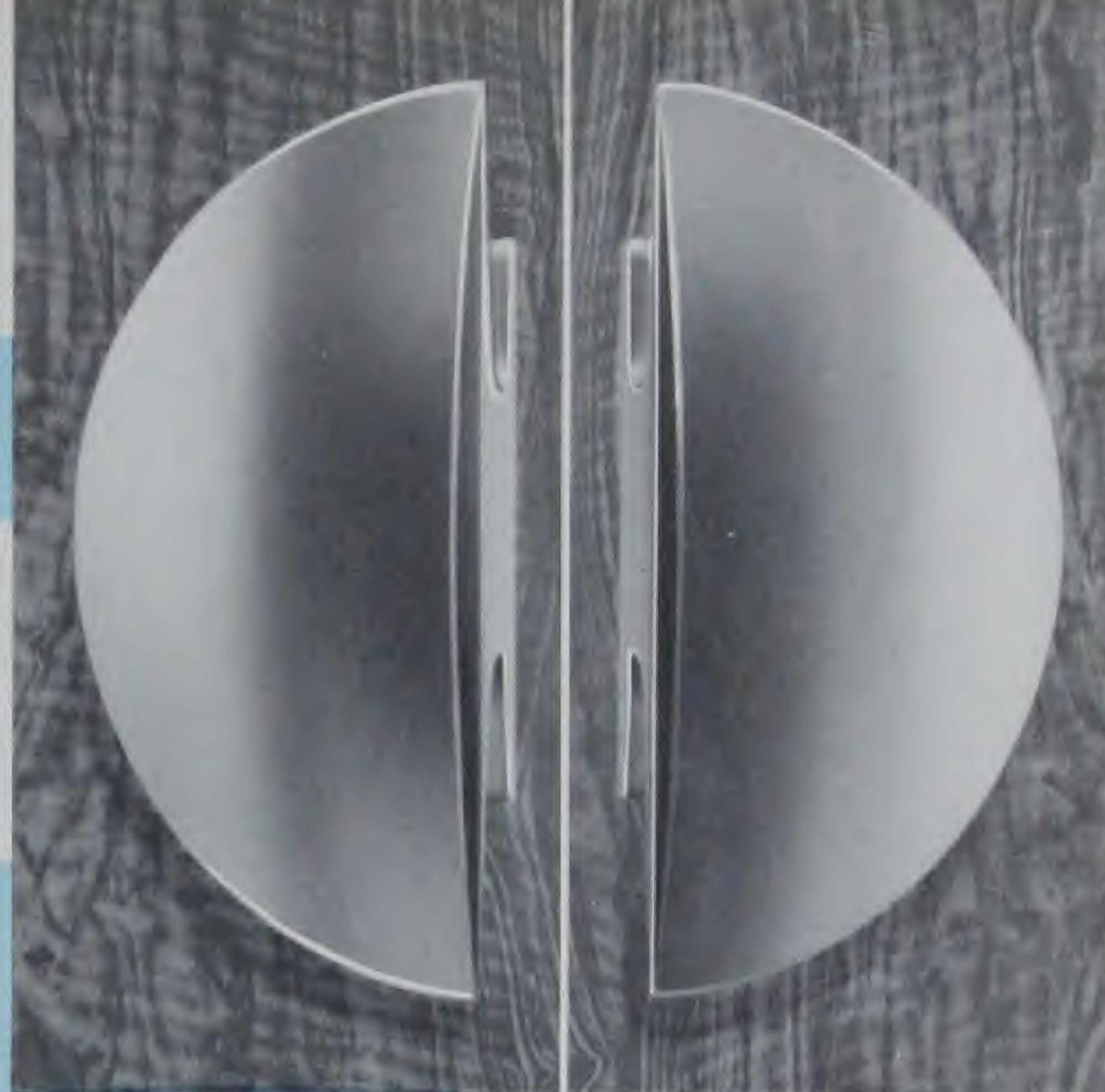
Backplate $2\frac{9}{16}" \times 1"$
Distance between
Fixing Holes $1\frac{3}{4}"$



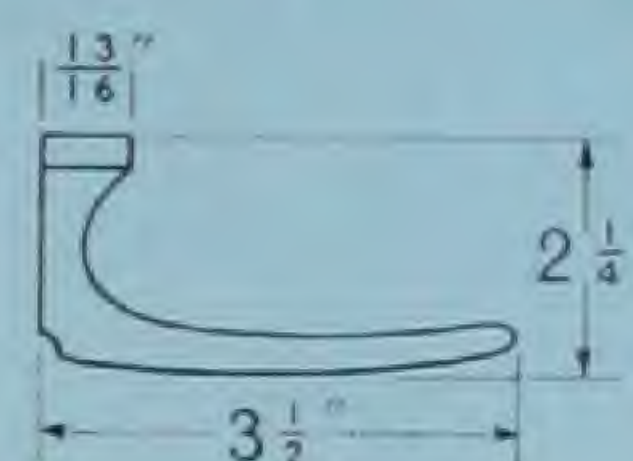
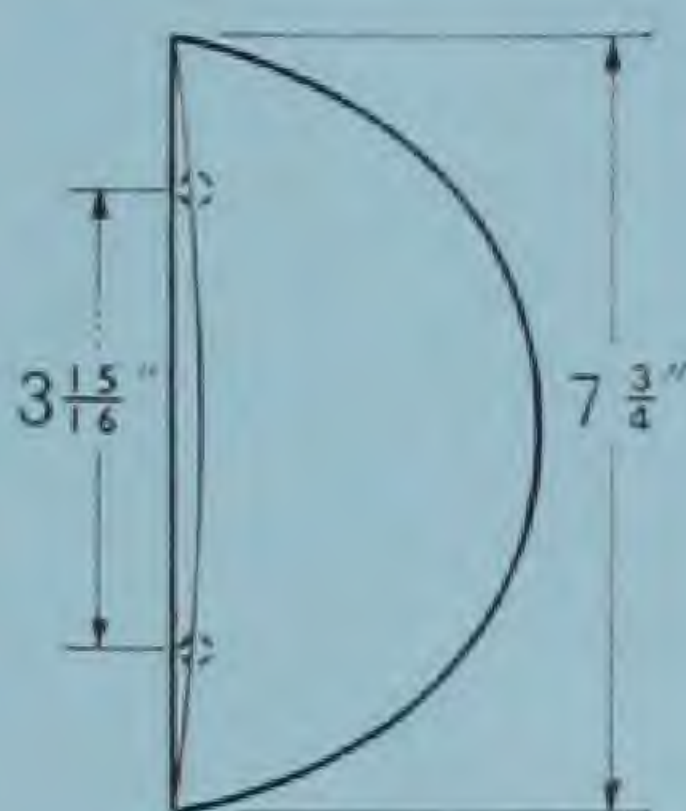
6021



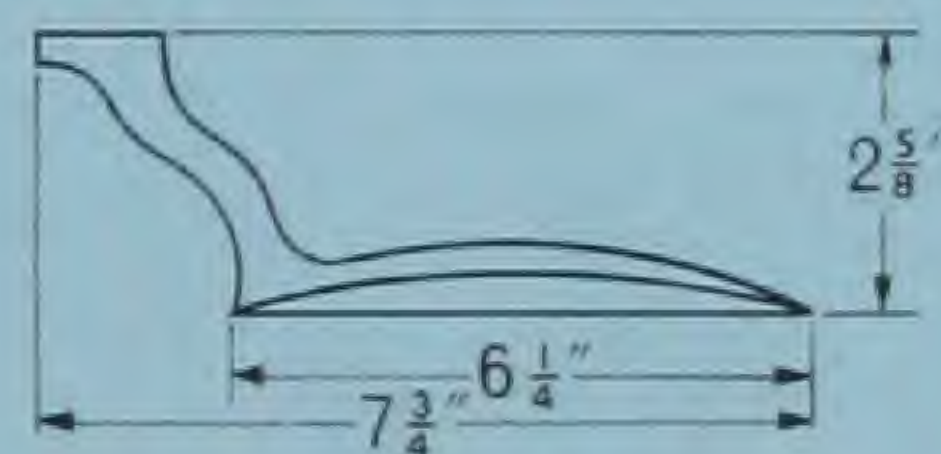
Backplate $2\frac{7}{16}" \times \frac{13}{16}"$
Distance between
Fixing Holes $1\frac{3}{4}"$



6022



For fixing instructions, and prices of
fixing bolts and backplates, see page 9.



Backplate $2\frac{5}{8}" \times 1"$
Distance Between
Fixing Holes $1\frac{3}{4}"$



6019

OGRO

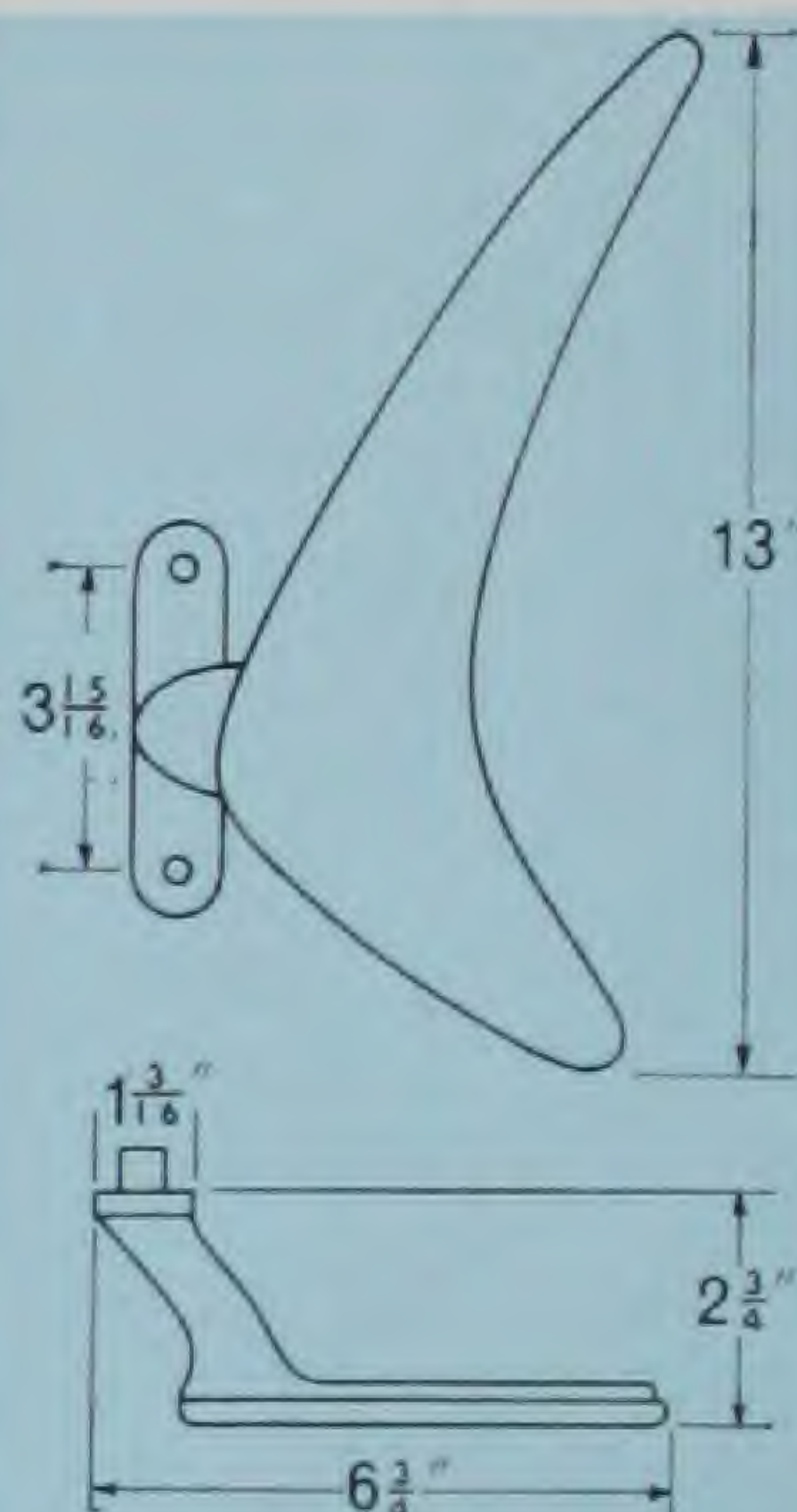
PUSH PULL HANDLES



Left hand

6017

Right hand



6017 is available with Black or Ivory Plastic Grip.

British Registered Design
886,266

OGRO fittings are made from a special non-corrosive Lightmetal Alloy. Even after long use the surfaces remain bright.

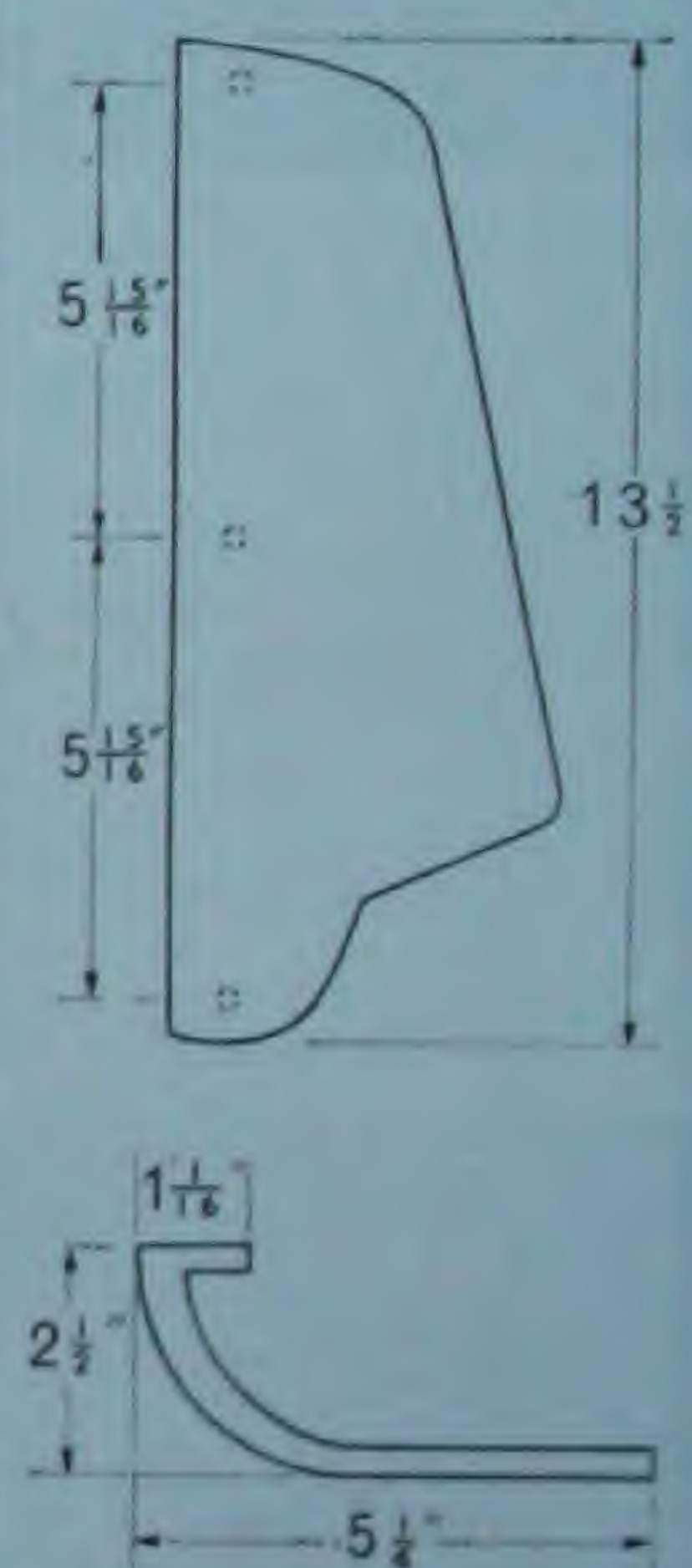
	Finish:	Satin Silver	Gold
6017	99/-	111/- each
6016	83/-	95/- "
6018	54/-	62/- "



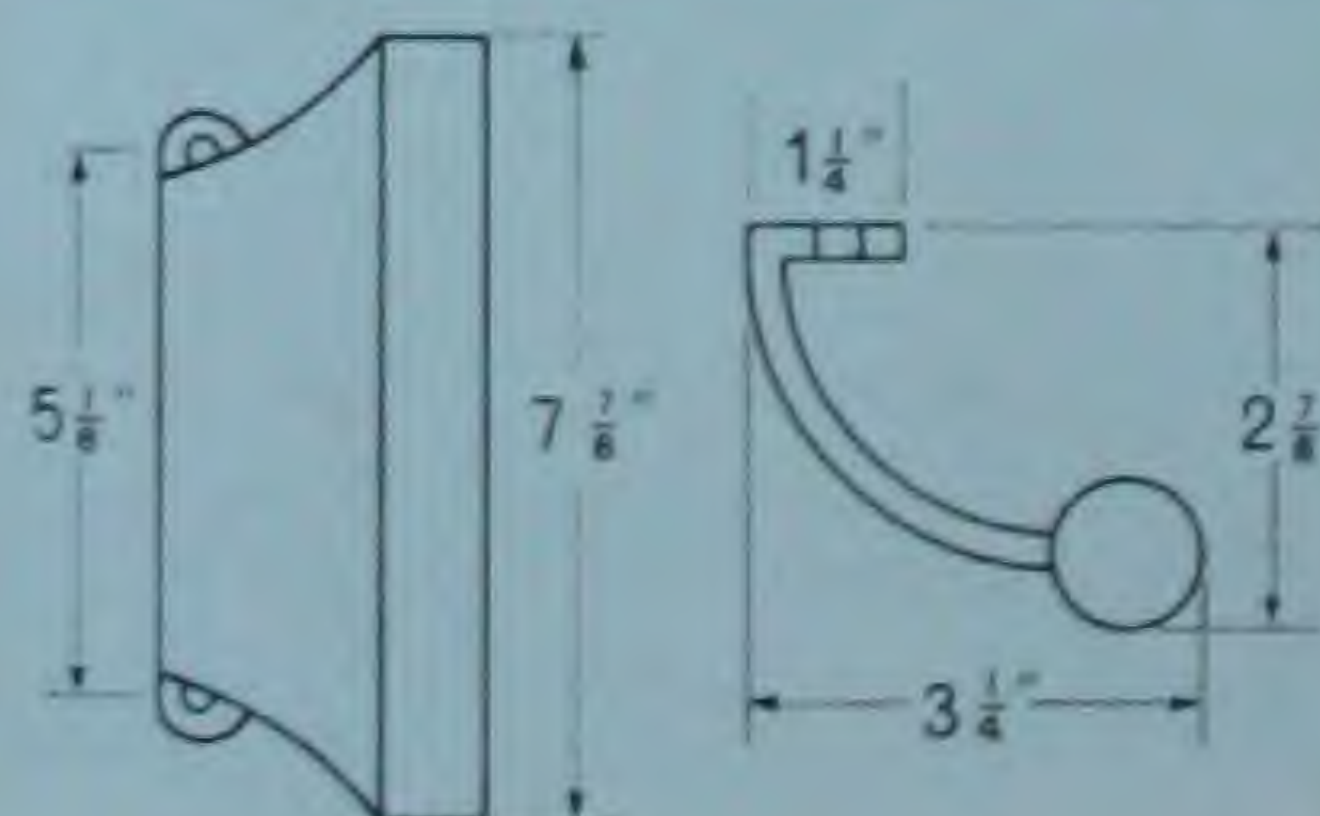
Left hand

6016

Right hand



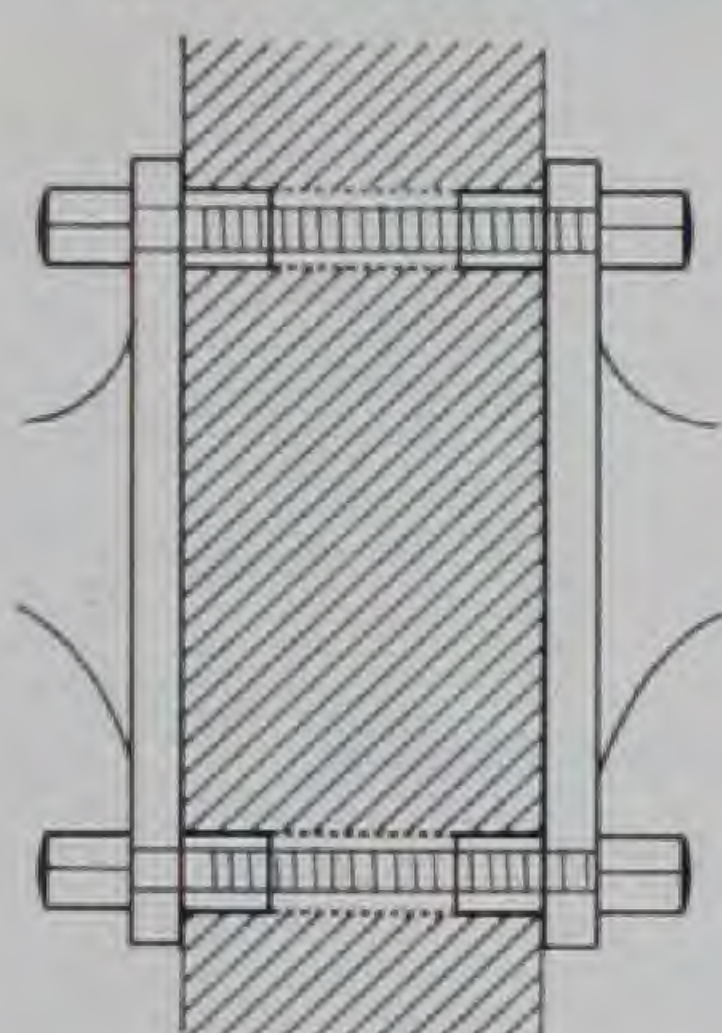
6018



For fixing instructions, and prices of fixing bolts and backplates, see page 9.

METHODS OF FIXING OGRO PUSH PULL HANDLES

METHOD 'A'

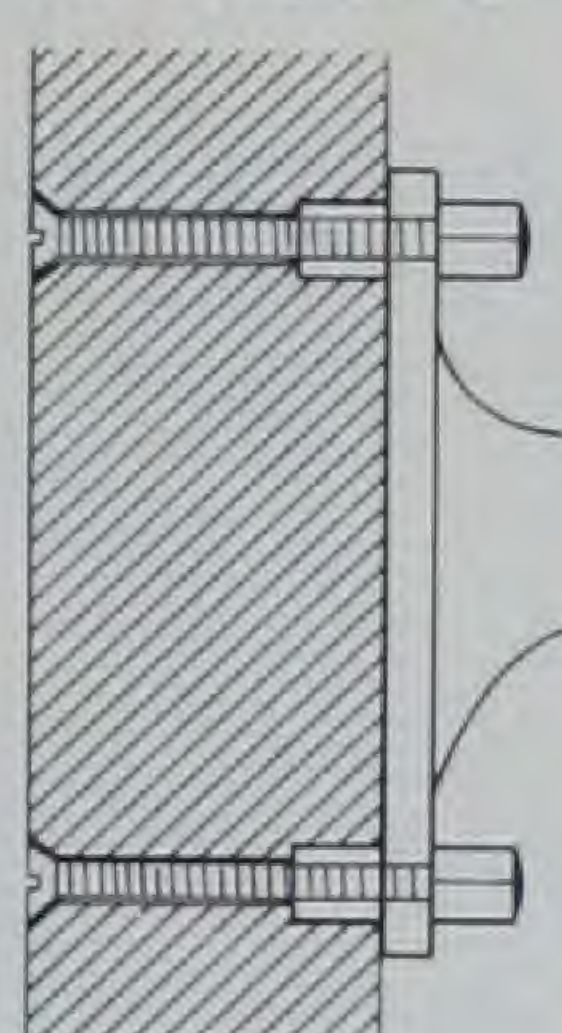


When Handles are fitted to both sides of the door they are secured with threaded bolts and domed hexagon nuts. The bolts are 3" long and can be cut to length required.

Price per pair of threaded bolts, each with two nuts:—

Satin Silver Finish 3/6
Gold Finish .. 4/6

METHOD B

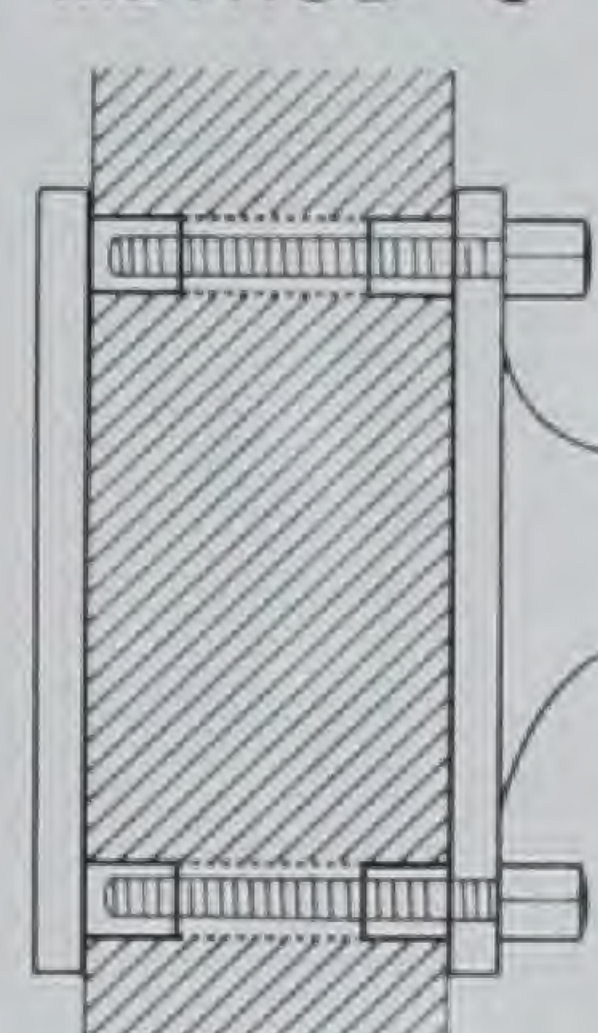


If Handle is required on only one side of the door, it can be secured with countersunk-headed bolts and domed hexagon nuts. The bolts are 3" long and can be cut to length required.

Price per pair of countersunk-headed bolts, each with one nut:—

Satin Silver Finish 3/-
Gold Finish .. 4/-

METHOD 'C'



If Handle is required on only one side of the door, a Backplate may be used on the other side.

The Backplates illustrated and priced below, include patterns suitable for all Handles shown on pages 1 to 8.

BACKPLATES for use with method 'C':—

6029 is a single-bolt pattern. Remainder are double-bolt, as indicated in diagram (top right).

Page	Handle	Backplates required
1	6023 6024	6032 6032
2	6009	Two 6029
3	6010 6008	Two 6029 Two 6029
4	6013 6011	6034 6031
5	6015 6014 6025	6033 6032 6032
6	6006 6012	6032 6032
7	6022 6020 6021 6019	6032 6030 6030 6030
8	6017 6016 6018	6032 Three 6029 Two 6029

Prices include necessary threaded bolts and nuts.

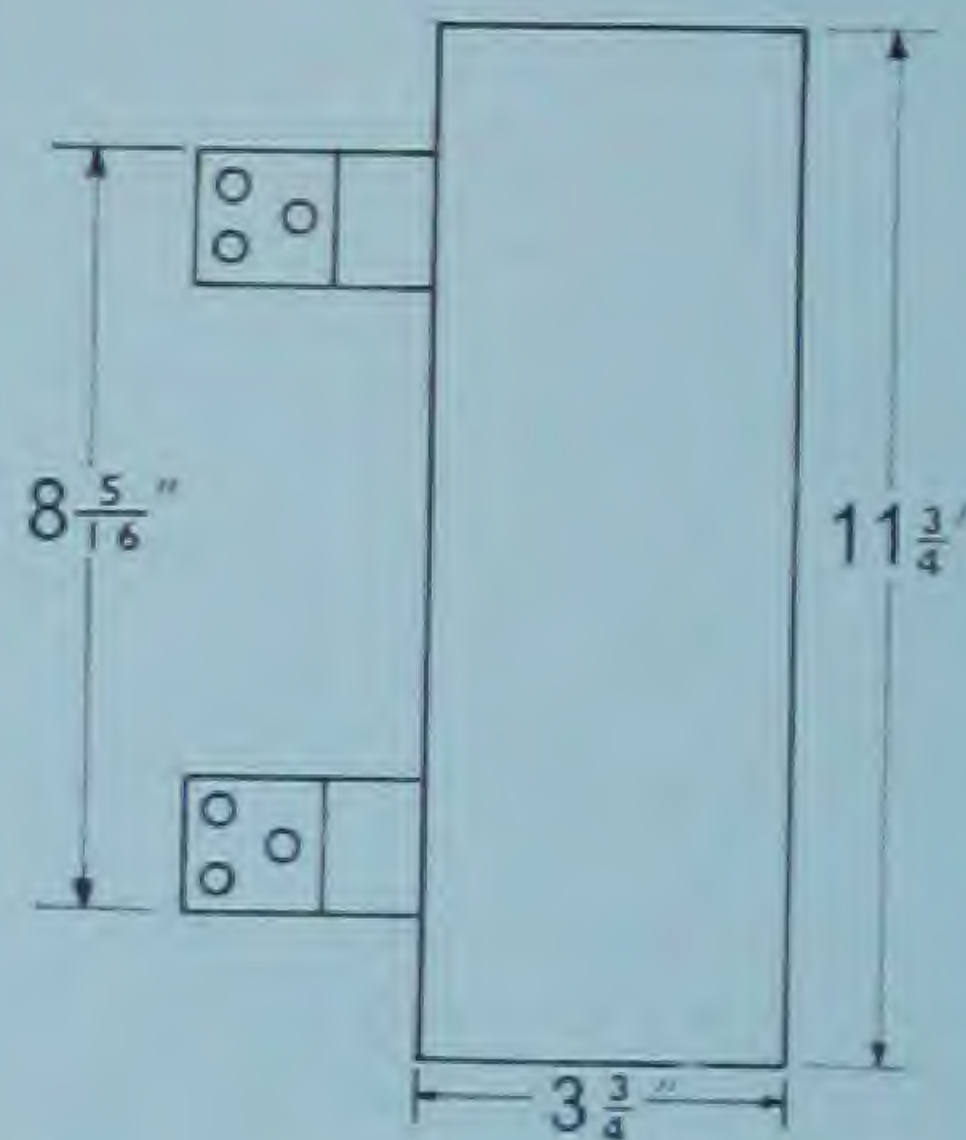


Size
Distance between bolt centres
Satin Silver Finish
Gold Finish

6029	6030	6031	6032	6033	6034
$\frac{25}{32}$ "	$2\frac{9}{16}$ " \times 1"	$4\frac{1}{8}$ " \times $1\frac{1}{16}$ "	$4\frac{15}{16}$ " \times $1\frac{1}{16}$ "	$5\frac{11}{16}$ " \times $1\frac{1}{16}$ "	$6\frac{7}{8}$ " \times $1\frac{1}{16}$ "
—	1 $\frac{3}{4}$ "	3 $\frac{3}{16}$ "	3 $\frac{15}{16}$ "	4 $\frac{3}{4}$ "	5 $\frac{7}{8}$ "
4/3	8/-	9/6	10/9	13/6	14/6 each
5/-	9/6	11/3	13/-	14/9	17/- "

PUSH PULL HANDLES

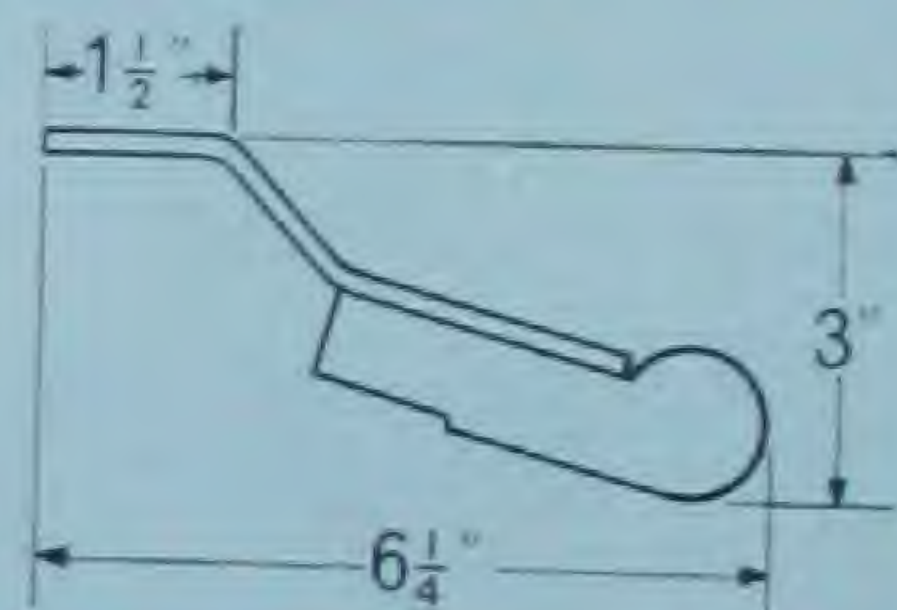
With Satin Nickel Plated Brackets



Prices include
Wood Screws for
fixing.

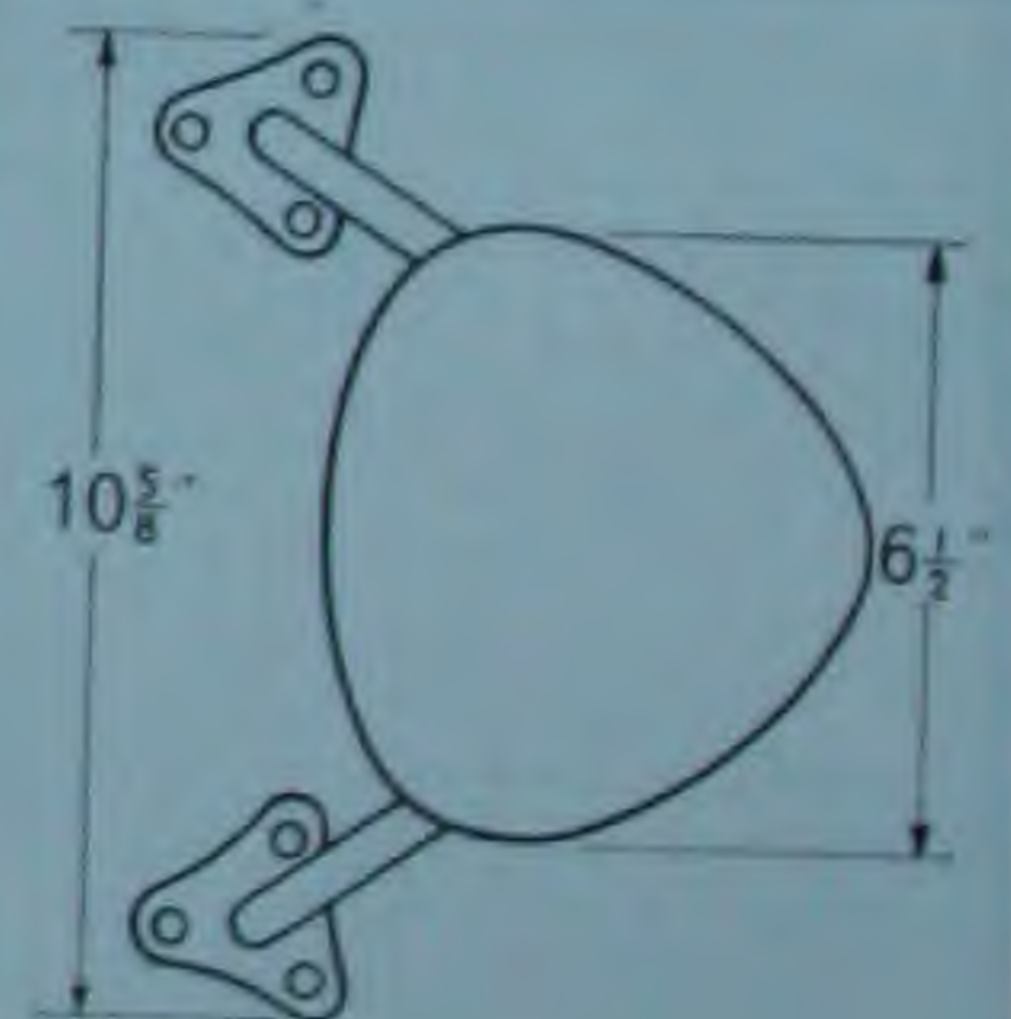
Handles on this page
are also available
with Brackets Satin
Chromium Plated.

6026

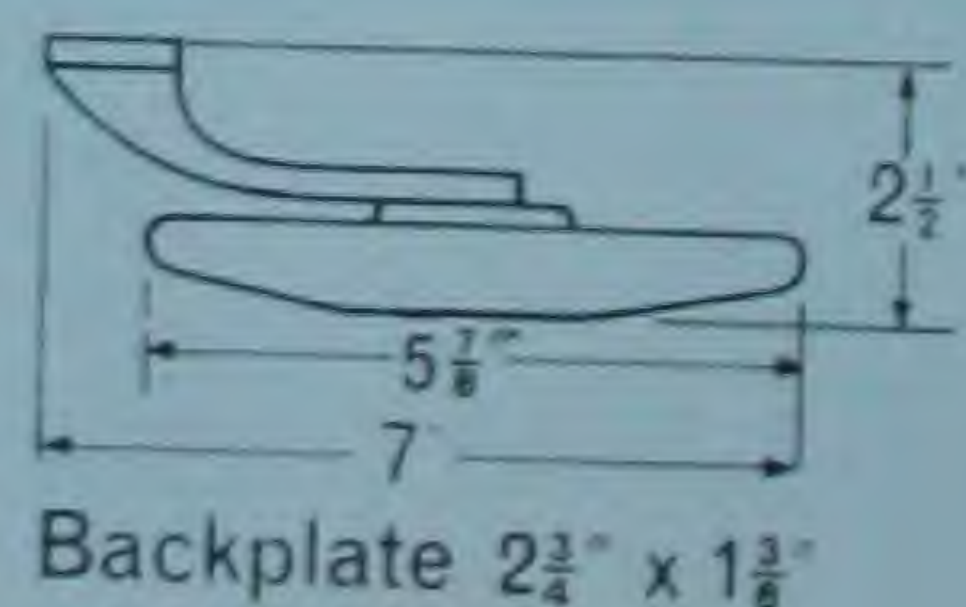
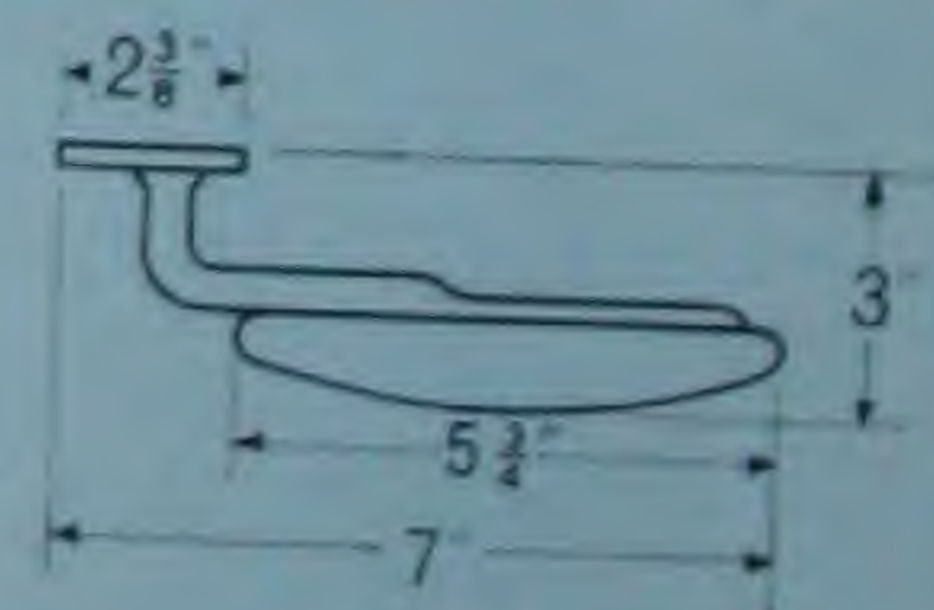


- 6026 With Teak or Oak Grip 62/- each
- 6028 With Teak or Oak Grip 70/- each
- 6027 With Black or Ivory Plastic Grip 40/- each

Teak Grips are supplied Natural Colour, Oak
Grips are available in shade required.



6028



6027

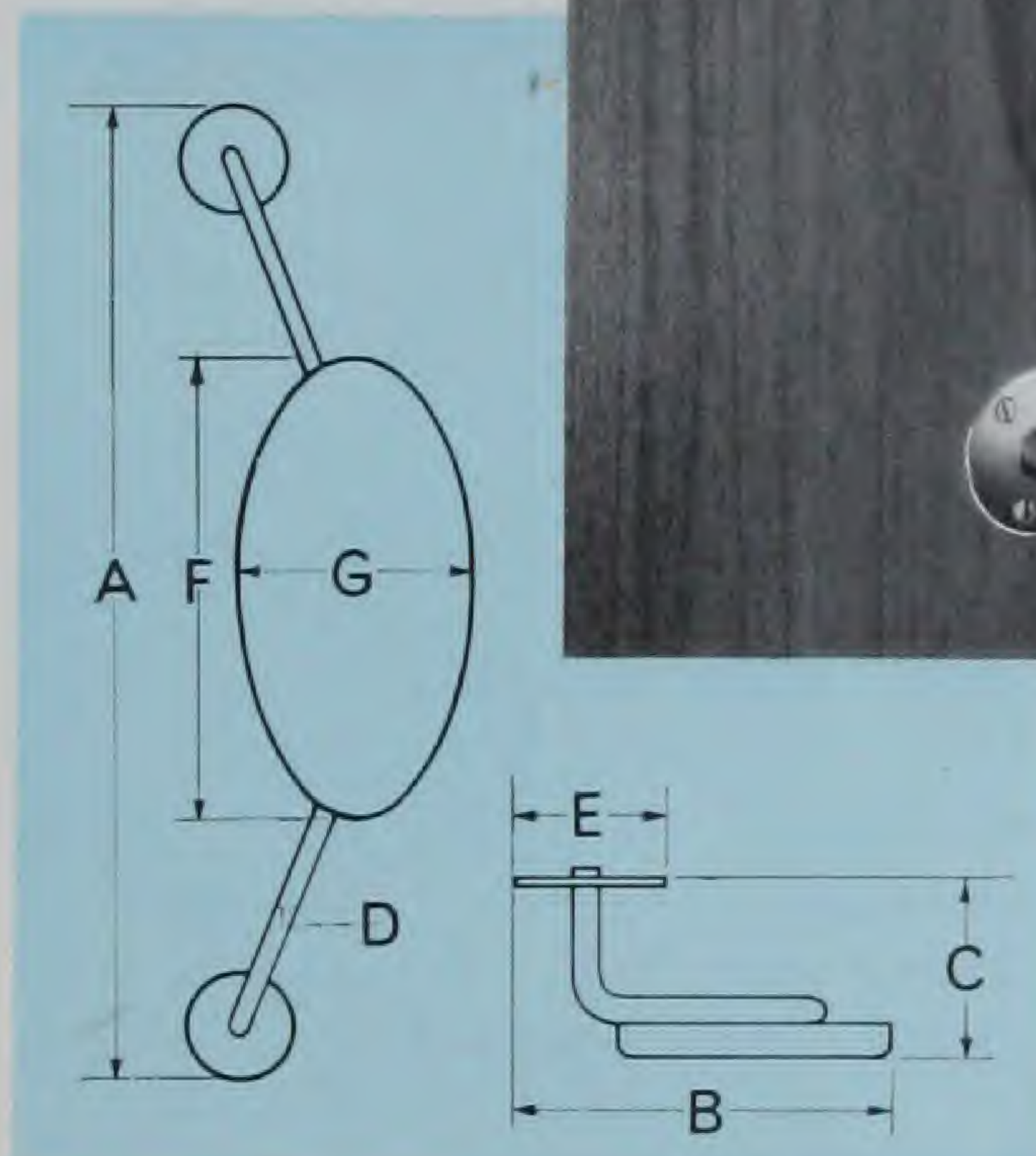
PUSH PULL HANDLES

With Natural finish Beech Grips

6036	B.M.A.	52/-	each
	Satin C.P.	56/-	„
6037	B.M.A.	45/-	each
	Satin C.P.	47/-	„
6038	B.M.A.	41/-	each
	Satin C.P.	45/-	„

Prices include Wood Screws for fixing

	A	B	C	D	E	F	G
6036	18 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	$\frac{5}{8}$ "	2"	10 $\frac{1}{2}$ "	5 $\frac{1}{4}$ "
6037	12"	6 $\frac{7}{8}$ "	3"	$\frac{5}{8}$ "	2"	6"	6"
6038	12"	7 $\frac{5}{8}$ "	3"	$\frac{5}{8}$ "	2"	6"	5 $\frac{3}{4}$ "



6036



6037

Pattern 6036 has 16 $\frac{3}{4}$ " fixing centres, and will suit armour plate glass doors with standard drilling. If ordered for this purpose, 1 $\frac{1}{2}$ " roses are fitted, for back-to-back fixing.

*

Handles on this page can also be supplied with Brackets in Satin Brass or Satin Nickel Plated, and with Grips in alternative woods.



6038

PUSH PULL HANDLES



5436 (Above) With Natural Finish Beech Grip.

Real B.M.A. Bracket ..	61/-	each
Satin C.P. Bracket ..	66/-	"

6001 With Teak or Walnut Grip.

Real B.M.A. Bracket ..	71/-	each
Satin C.P. Bracket ..	71/-	"
Silver or Satin Silver Anodised Bracket ..	71/-	"

6002 With Teak or Walnut Grip.

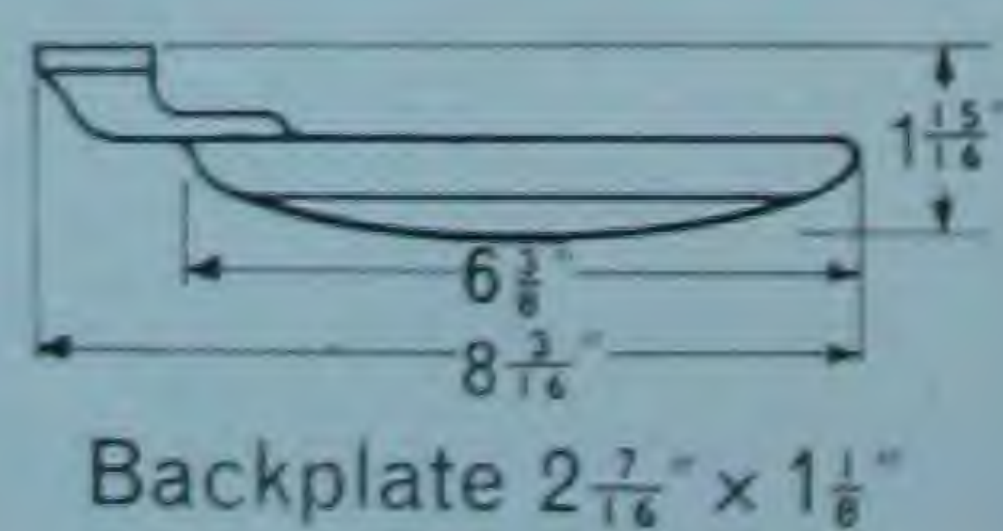
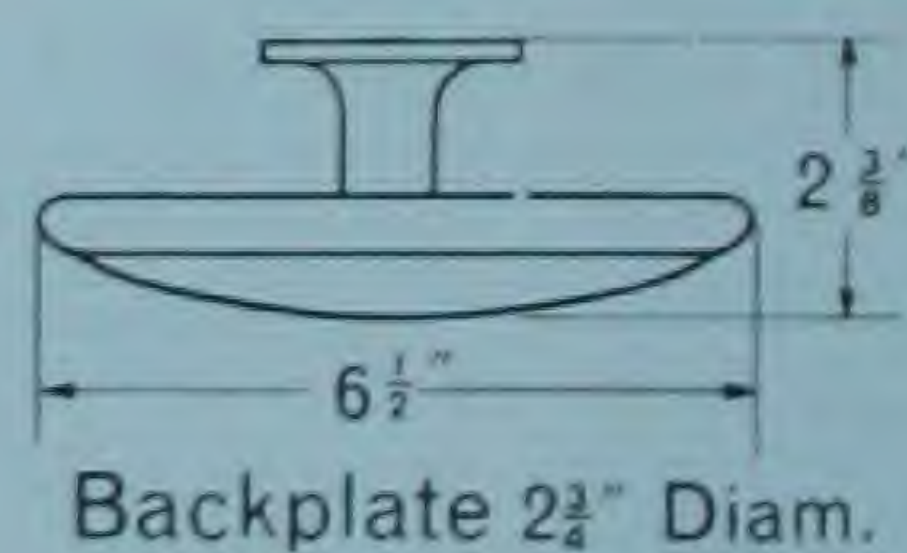
Real B.M.A. Bracket ..	77/-	each
Satin C.P. Bracket ..	77/-	"
Silver or Satin Silver Anodised Bracket ..	77/-	"

Teak Grips are supplied Natural Colour, Walnut in shade required.

Prices include Wood Screws for fixing 5436 and 6001, and Bolt for 6002.



6002



All Handles on this page are also available with Brackets in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.

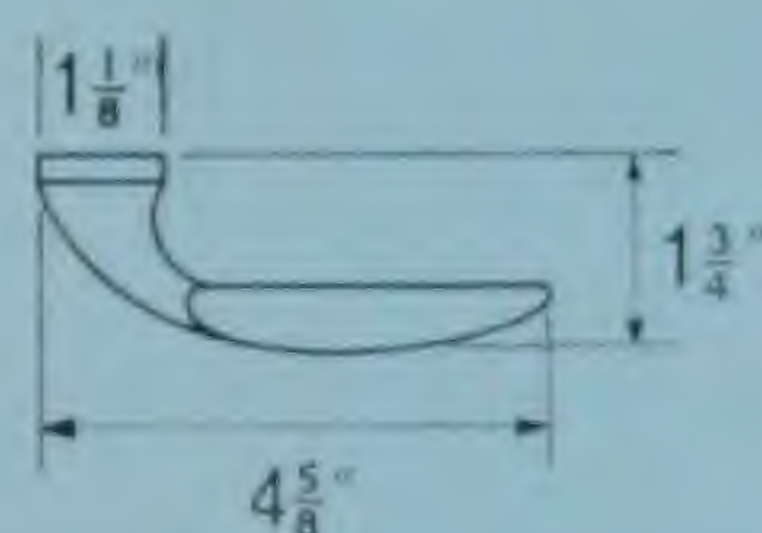
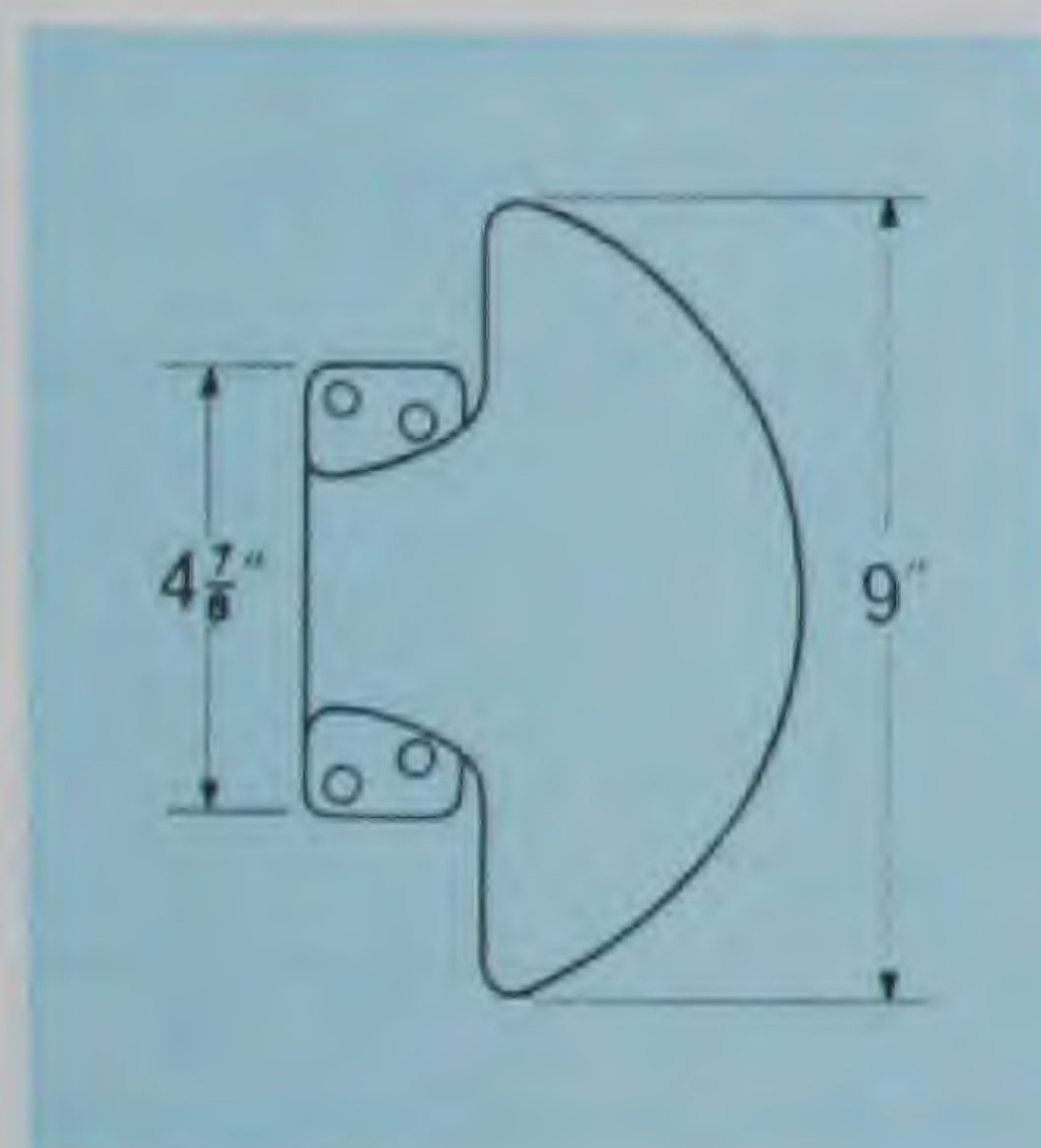


6001

PUSH PULL HANDLES

- 6003 Real B.M.A. 71/- each
Satin C.P. 84/- "

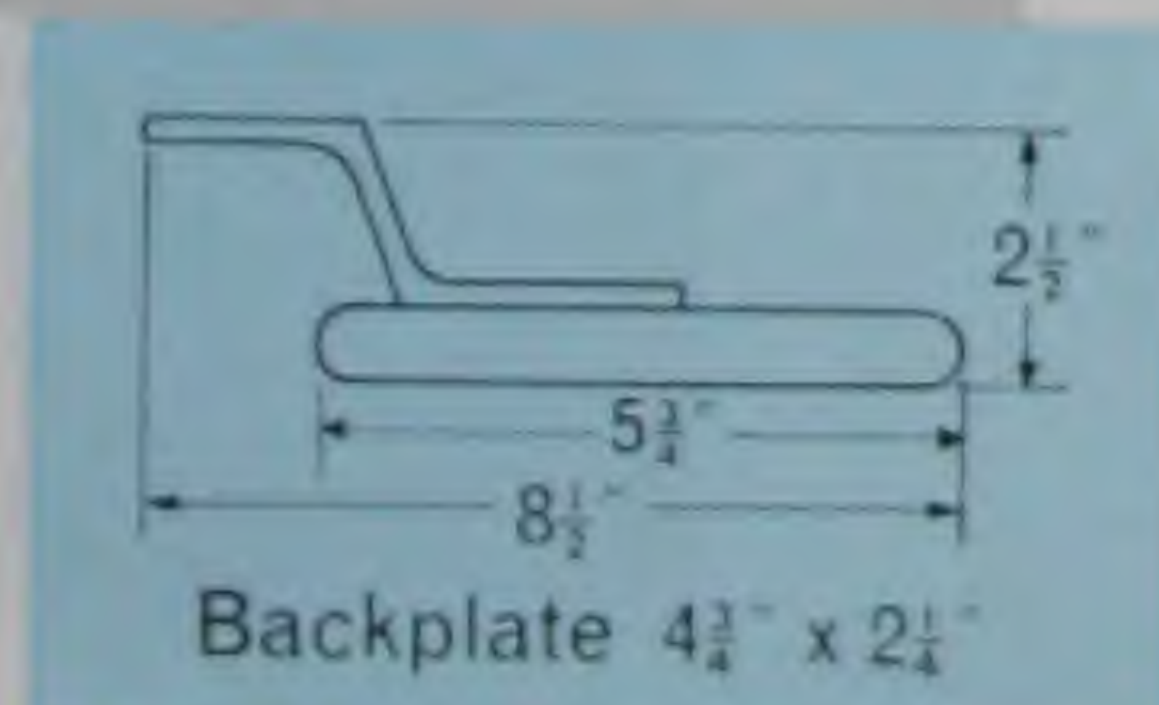
Also available with 6" or 7½" Grip.



- 6000 With Natural Beech Grip.
Real B.M.A. Bracket 40/- each
Satin C.P. Bracket 46/- "



6000

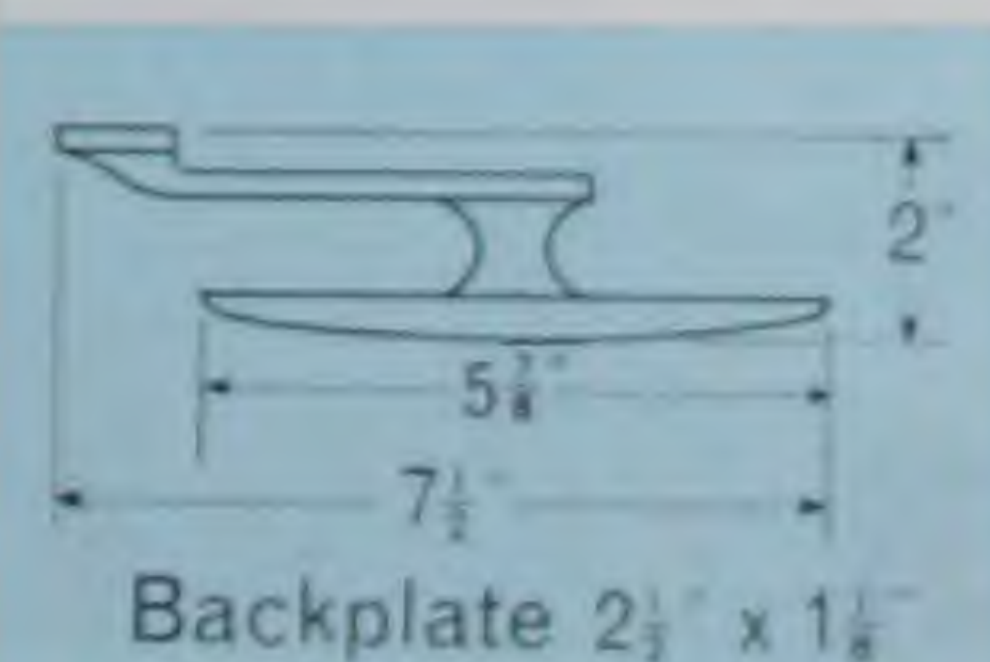


- 1186 Similar to 6005, but with Real B.M.A. Bracket and Cream Catalin Plastic Grip, or Satin C.P. Bracket and Black Catalin Plastic Grip.

3"	4"	5"	6" grip
18/9	22/-	24/9	35/6 each



6005



Prices include Wood Screws for fixing.

Alternative Metalwork finishes available, as on page 12.



6003

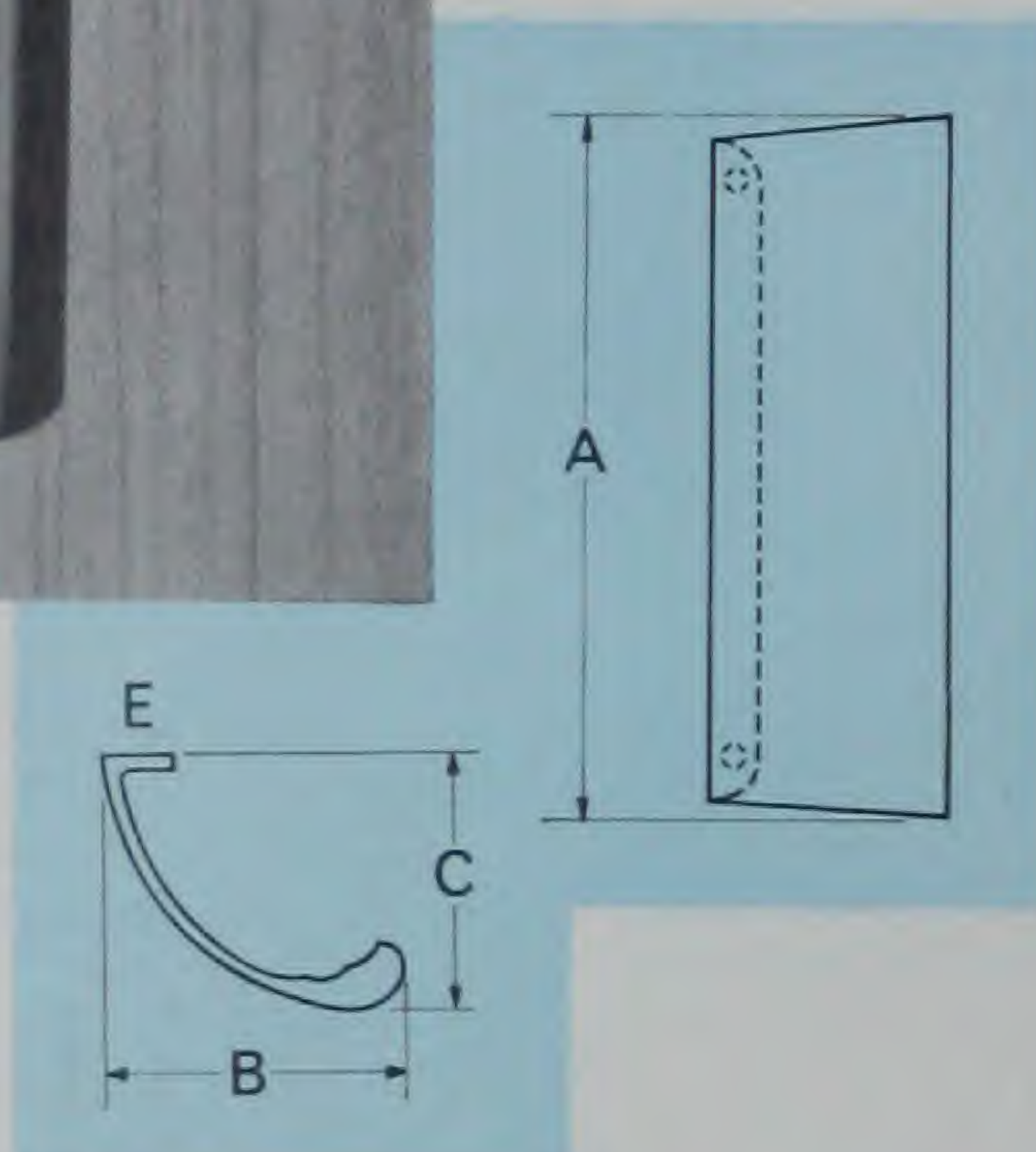
- 6005 5 7/8" Grip.
Real B.M.A. or Satin C.P. } 55/6 each
Silver Anodised
Satin Silver Anodised

- 5432 Similar to 6005, but 5" Grip.
Real B.M.A. 37/- each
Satin C.P. 46/- "

PUSH PULL HANDLES



6039



6039	Silver Anodised	43/- each
	Satin Silver Anodised	46/- „
6040	Silver Anodised	42/- each
	Satin Silver Anodised	44/- „
6041	Silver Anodised	35/- each
	Satin Silver Anodised	37/- „

Prices include fixings—see ordering instructions below.

	A	B	C	E
6039	12"	3 $\frac{3}{8}$ "	3"	1 $\frac{1}{8}$ "
6040	9 $\frac{1}{2}$ "	3 $\frac{3}{8}$ "	3"	1 $\frac{1}{8}$ "
6041	9"	3 $\frac{3}{8}$ "	3"	1 $\frac{1}{8}$ "



6040

Handles are supplied with all-thread screws and domed nuts for back-to-back fixing, or with bolts and domed nuts for fixing on one side of door only.

When ordering, please state whether handles are required for both sides of door, or one side only.



6041

SWING DOOR HANDLES

With Black or Ivory Plastic Grips



Concave
Smooth
Grip



Concave
Fluted
Grip

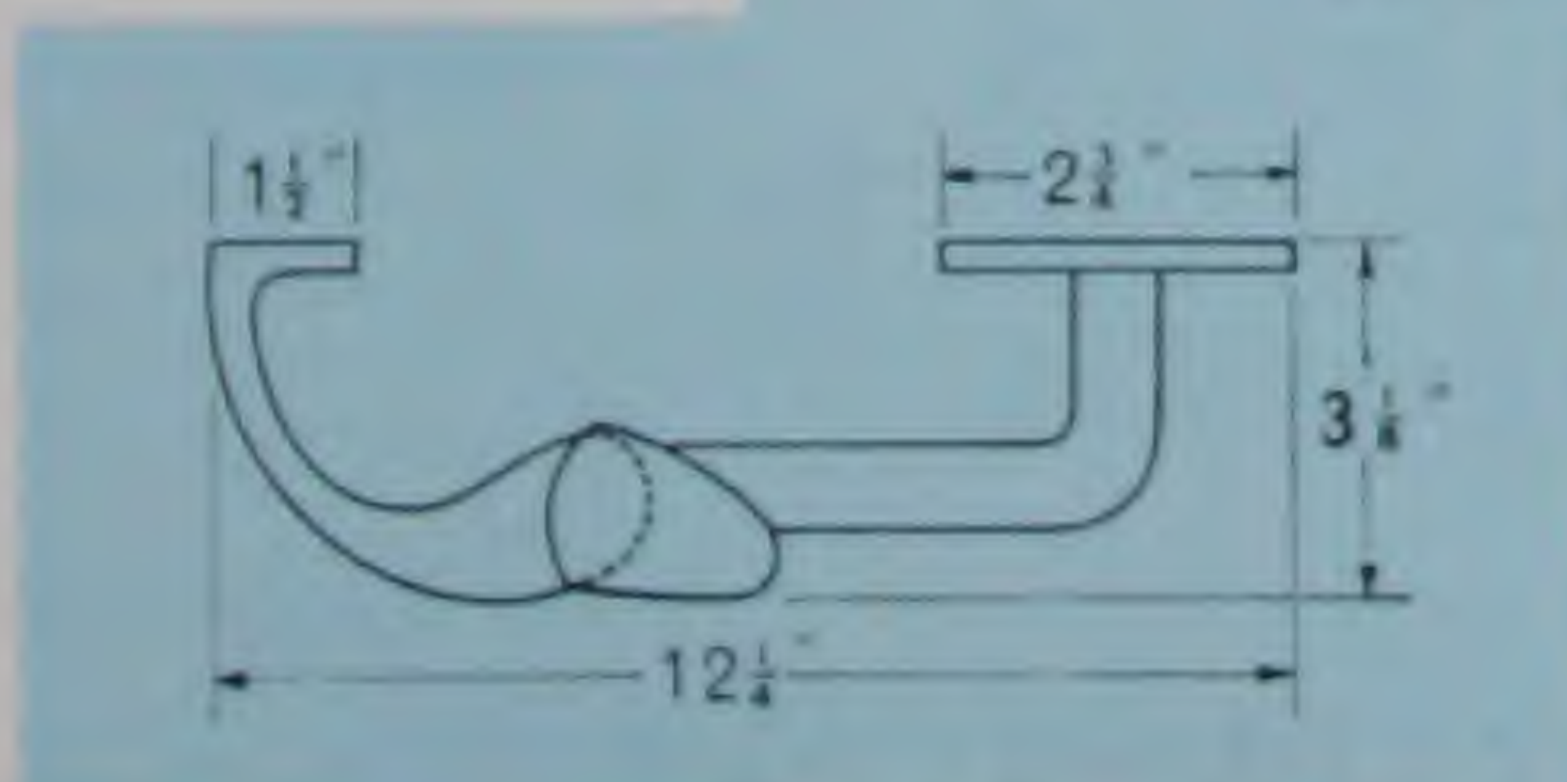
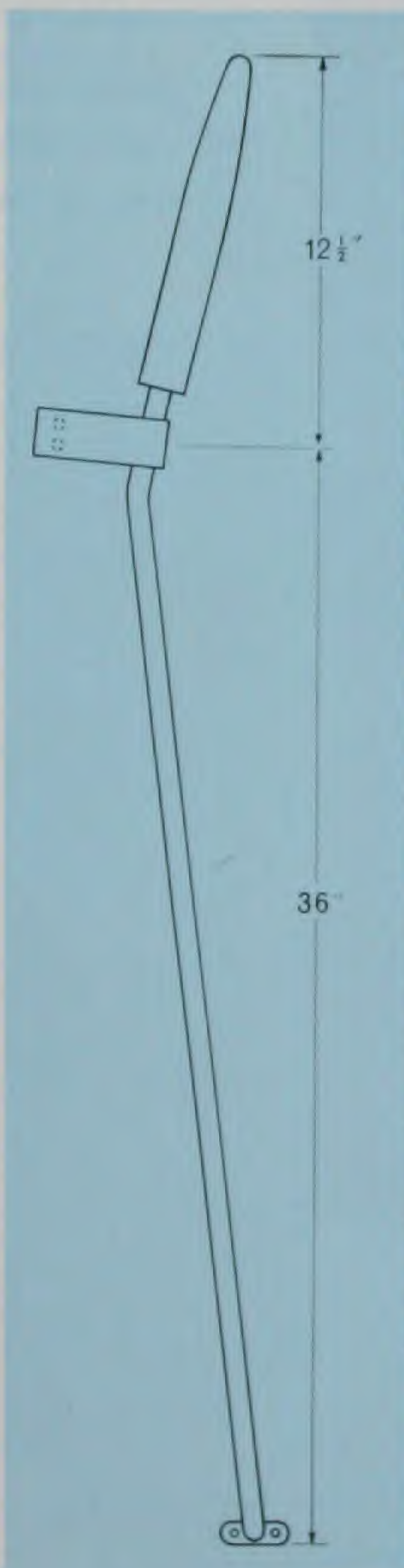
Satin

Finish: Silver Gold

6502 With Concave
Smooth Grip 152/- 171/- each

6503 With Corn
Cob Grip 163/- 181/- ..

6509 With Concave
Fluted Grip 163/- 181/- ..



For Fixing details,
see page 19.



Left hand

6503

Right hand

With Corn Cob Grip

All Grips have a heavy
Tubular Steel Core.



OGRO

SWING DOOR HANDLES

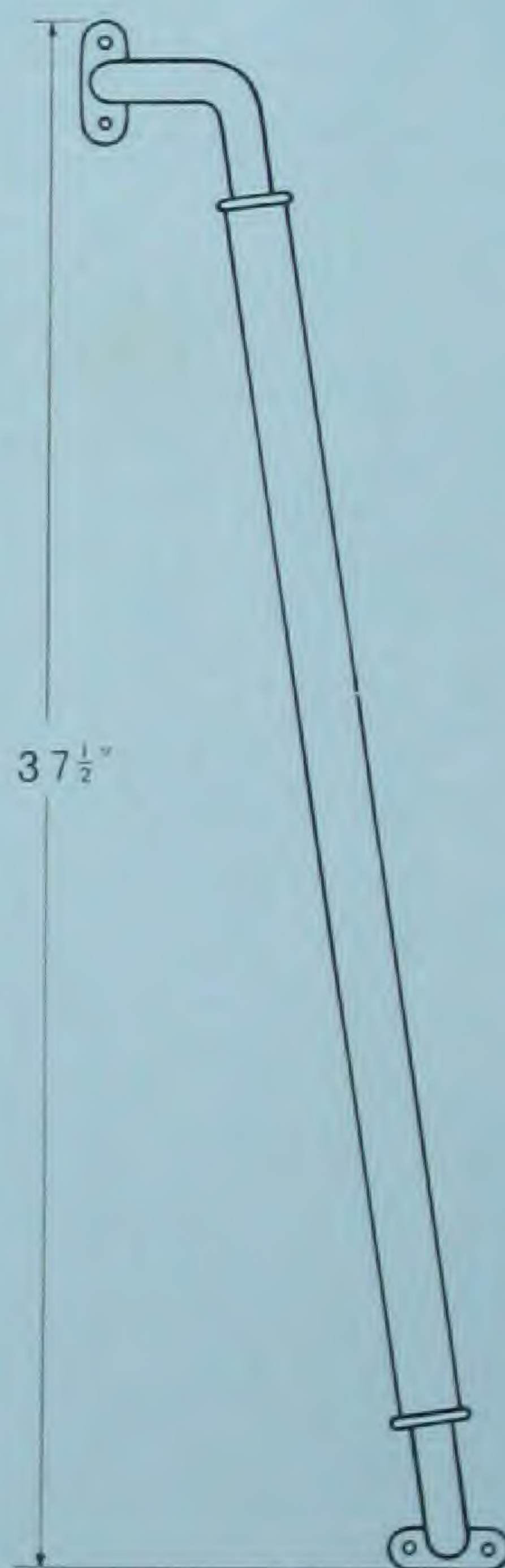
OGRO fittings are made from a special non-corrosive Lightmetal Alloy. Even after long use the surfaces remain bright.



(Left hand) 6508
Round Fluted Grip

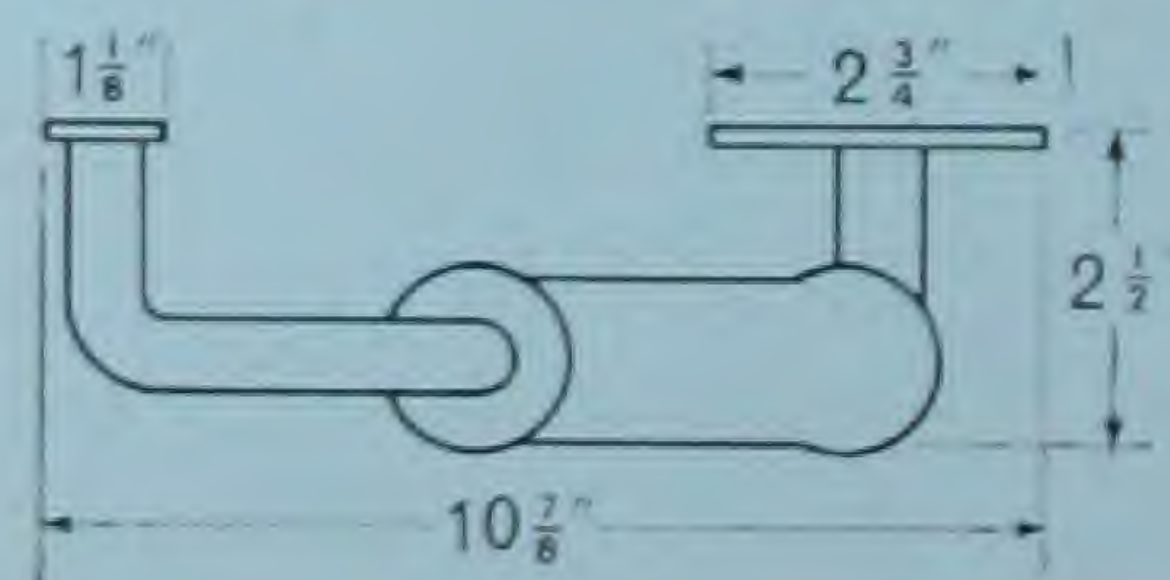


6501 (Right hand)
Round Smooth Grip



With Black or
Ivory Plastic
Grips.

For fixing instructions,
and prices of fixing
bolts and backplates,
see page 19.



	Finish: Satin Silver	Gold
6508	.. .. 96/-	107/- each
6501	.. .. 96/-	107/- ..

All Grips have a heavy Tubular Steel Core.

SWING DOOR HANDLES

With Black or Ivory Plastic Grips, in alternative shapes as shown.

		Finish: Satin Silver	Gold
6500	With Concave Smooth Grip	122/-	139/- each
6504	With Round Smooth Grip	85/-	102/- "
6505	With Round Fluted Grip	85/-	102/- "
6506	With Concave Fluted Grip	133/-	149/- "
6507	With Convex Fluted Grip	157/-	173/- "



Round Smooth Grip



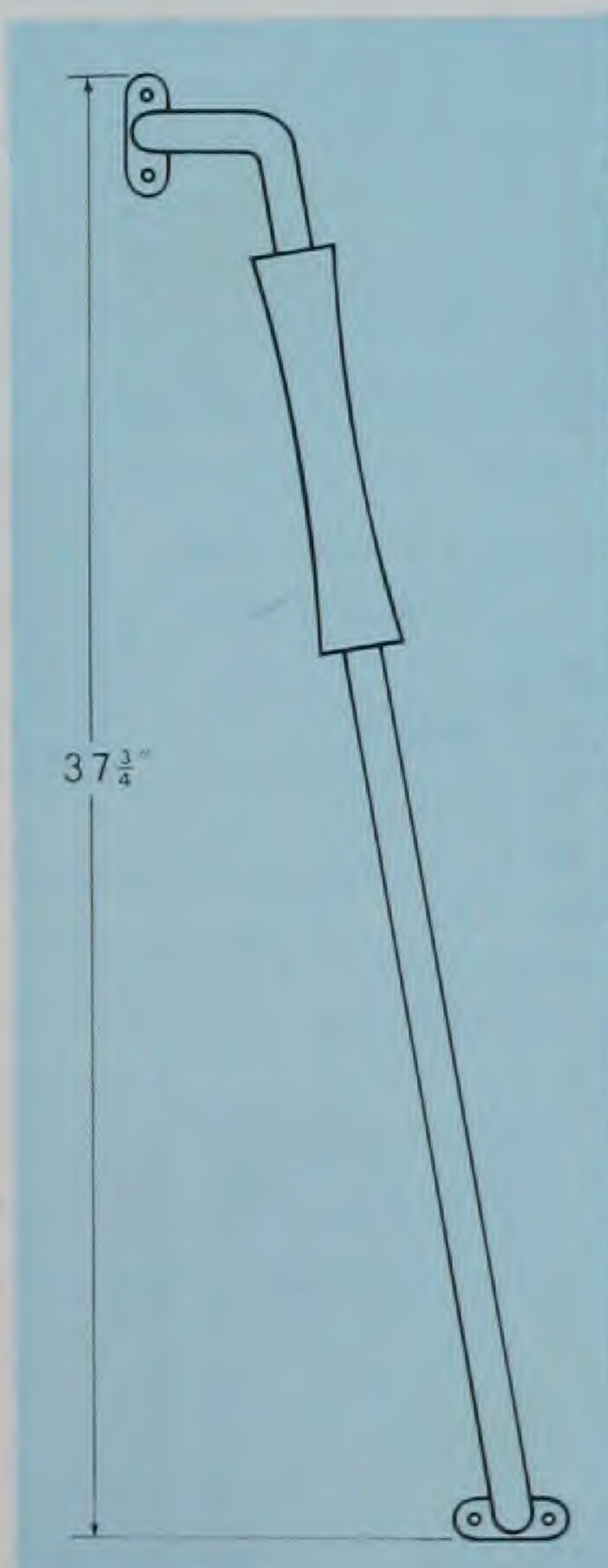
Round Fluted Grip



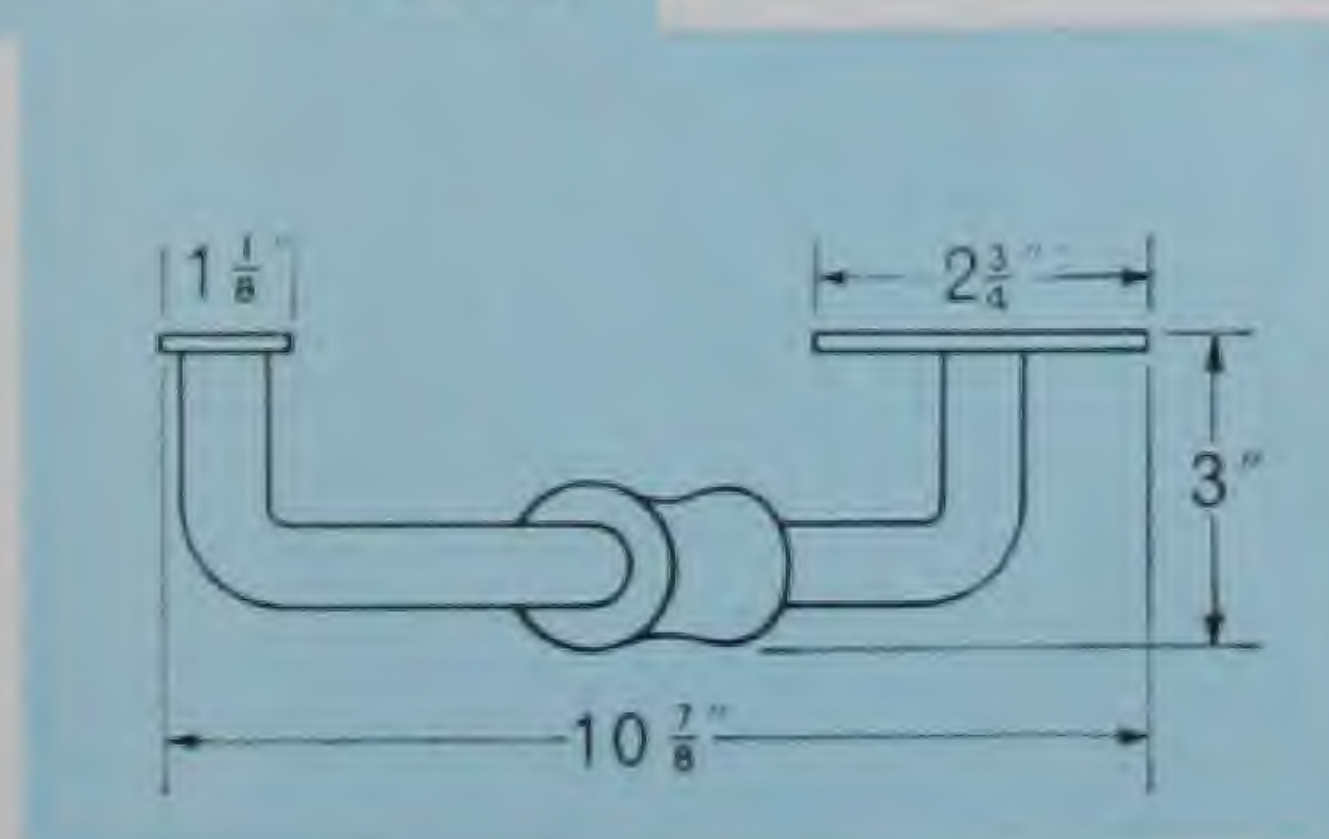
Concave Fluted Grip



Convex Fluted Grip



For Fixing details, see page 19.



Left hand 6500 Right hand
With Concave Smooth Grip.

All Grips have a Heavy Tubular Steel Core.

OGRO

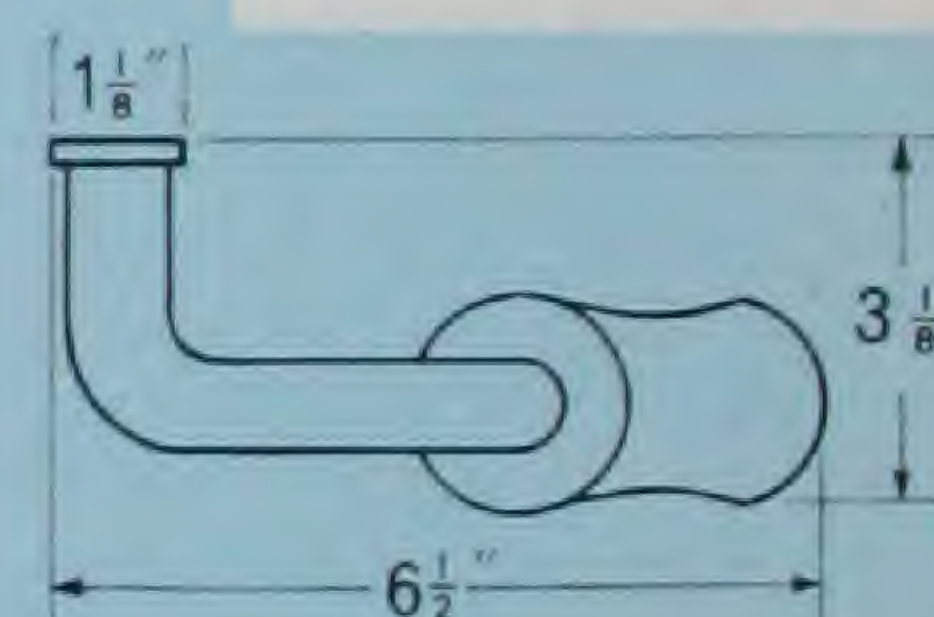
SWING DOOR HANDLES

With Black or Ivory Plastic Grips



OGRO fittings are made from a special non-corrosive Lightmetal Alloy. Even after long use the surface remains bright.

For fixing instructions, and prices of fixing bolts and backplates, see page 19.



Left hand 6601 Right hand
With Concave Fluted Grip.

		Finish: Satin Silver	Gold
6601	With Concave Fluted Grip	.. 120/-	131/- each
6600	With Round Fluted Grip	.. 75/-	85/- "
6626	With Round Smooth Grip	.. 75/-	85/- "
6627	With Concave Smooth Grip	.. 109/-	120/- "
6628	With Convex Fluted Grip	.. 144/-	155/- "



Round
Fluted
Grip



Round
Smooth
Grip



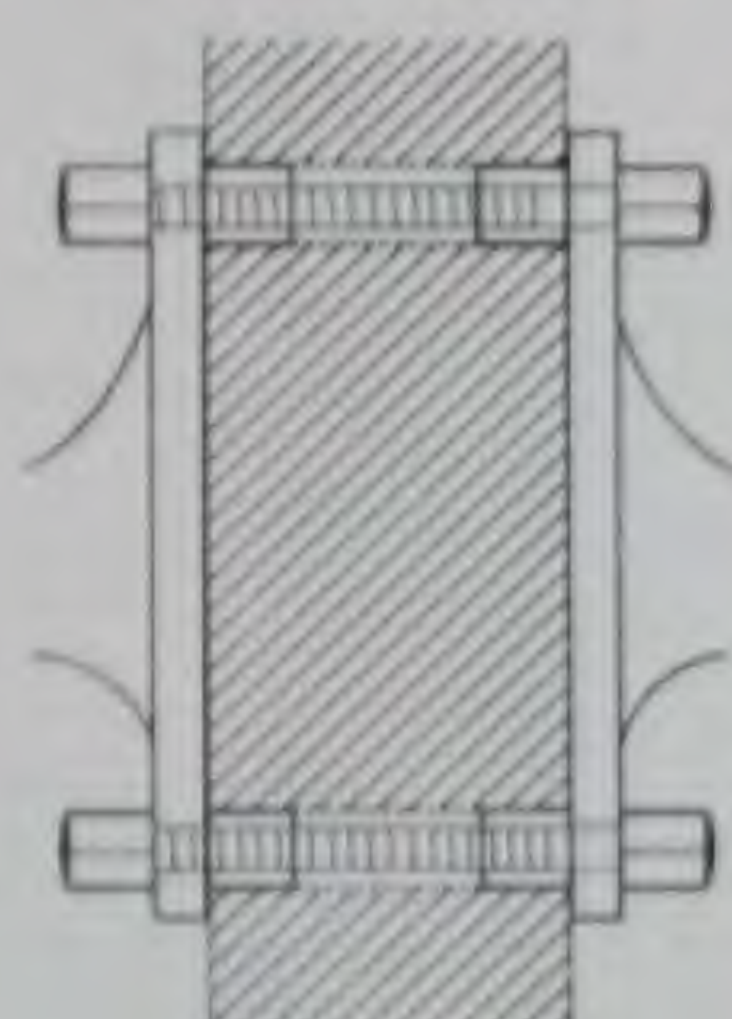
Concave
Smooth
Grip



Convex
Fluted
Grip

METHODS OF FIXING OGRO SWING DOOR HANDLES

METHOD 'A'

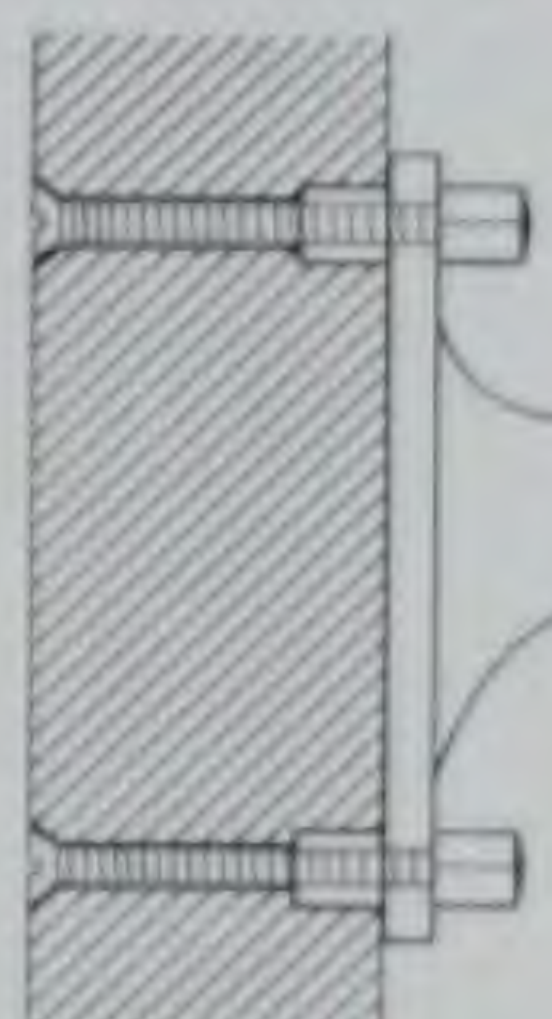


When Handles are fitted to both sides of the door they are secured with threaded bolts and domed hexagon nuts. The bolts are 3" long and can be cut to length required.

Price per pair of threaded bolts, each with two nuts:—

Satin Silver Finish 3/6
Gold Finish .. 4/6

METHOD 'B'

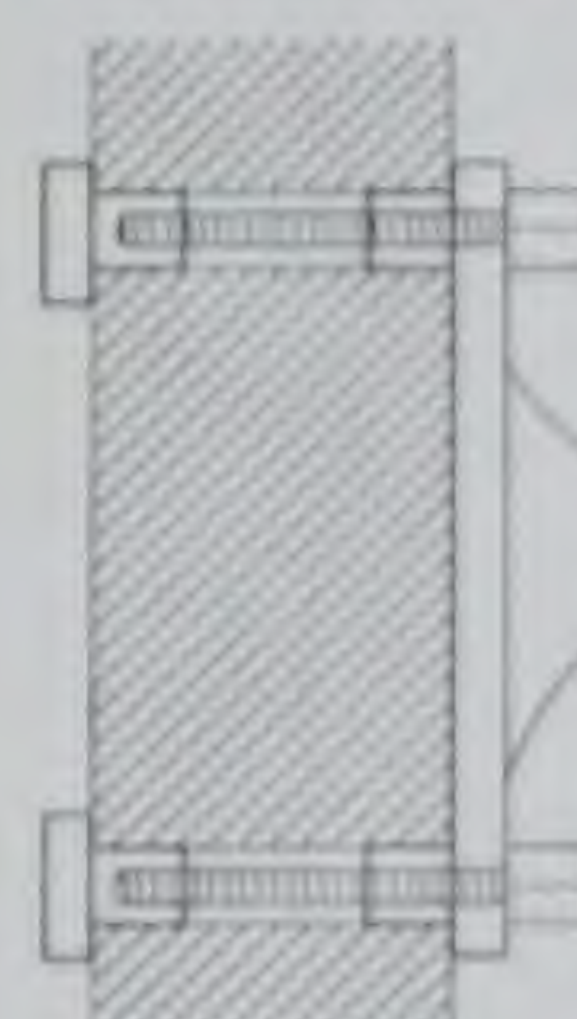


If Handle is required on only one side of the door it can be secured with countersunk-headed bolts and domed hexagon nuts. The bolts are 3" long and can be cut to length required.

Price per pair of countersunk-headed bolts, each with one nut:—

Satin Silver Finish 3/-
Gold Finish .. 4/-

METHOD 'C'



If Handle is required on only one side of the door, 6029 Backplates (as shown below) may be used on the other side.



6029 Backplate
3/4" diam.

Price per pair, including threaded bolts and nuts:—

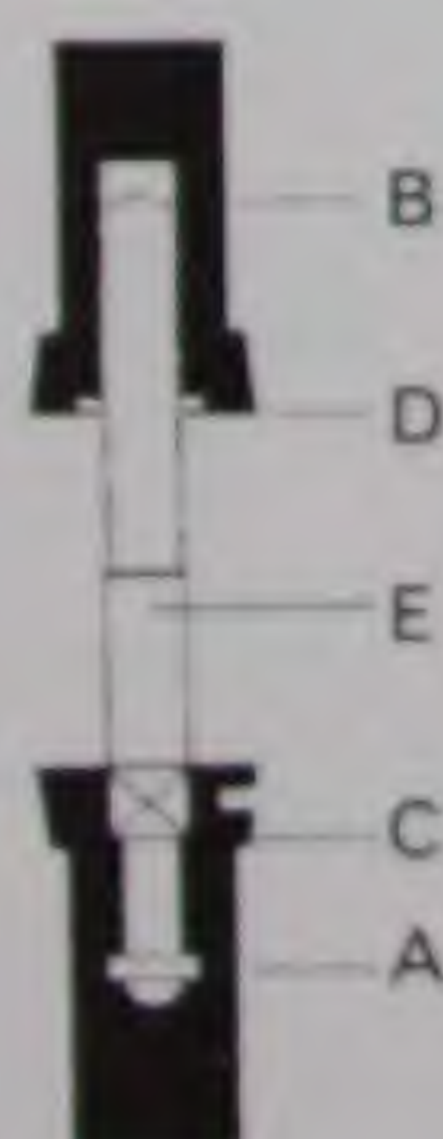
Satin Silver Finish 8/6
Gold Finish .. 10/-

6035 SPECIAL CONCEALED FIXING For Glass or Metal Doors

Any of the following Handles can be supplied with this Fixing:—

Page 16 6508, 6501
" 17 6500, 6504, 6505, 6506, 6507
" 18 6601, 6600, 6626, 6627, 6628

Extra charge 16/9 per Handle



Connecting screw E is securely anchored in Handle A.

Handle B has a female thread.

By turning Rose C with a Steel Pin both Handles are screwed together.

This connection is secured against rattle by Spring Ring D.

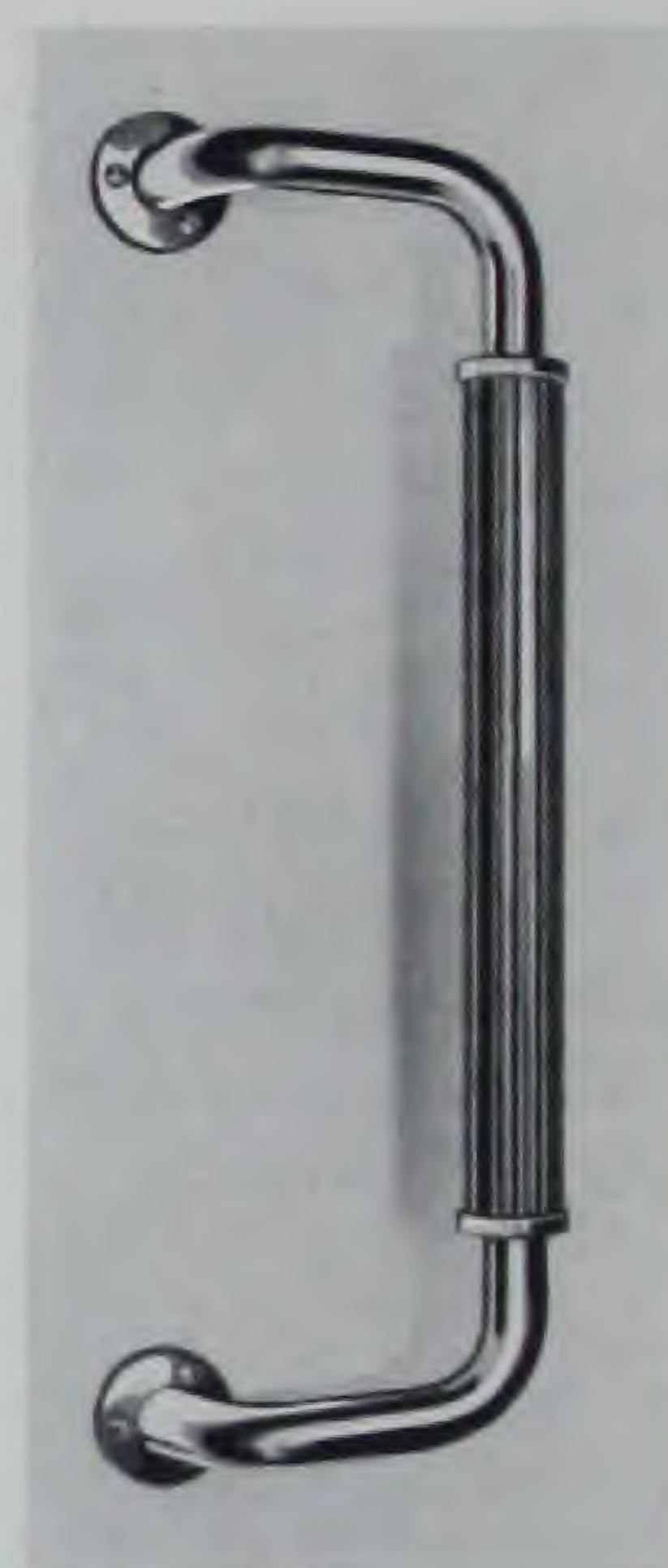


SWING DOOR HANDLES

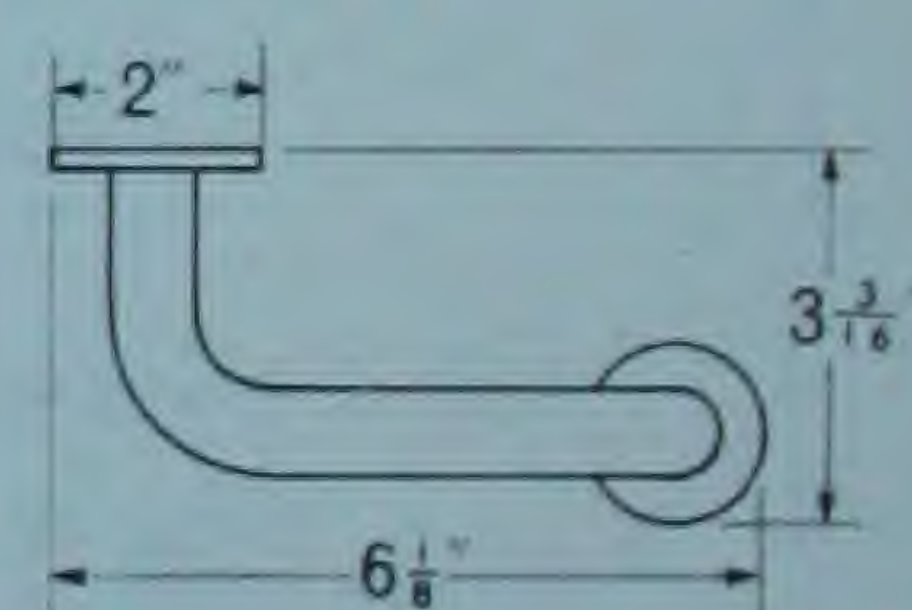
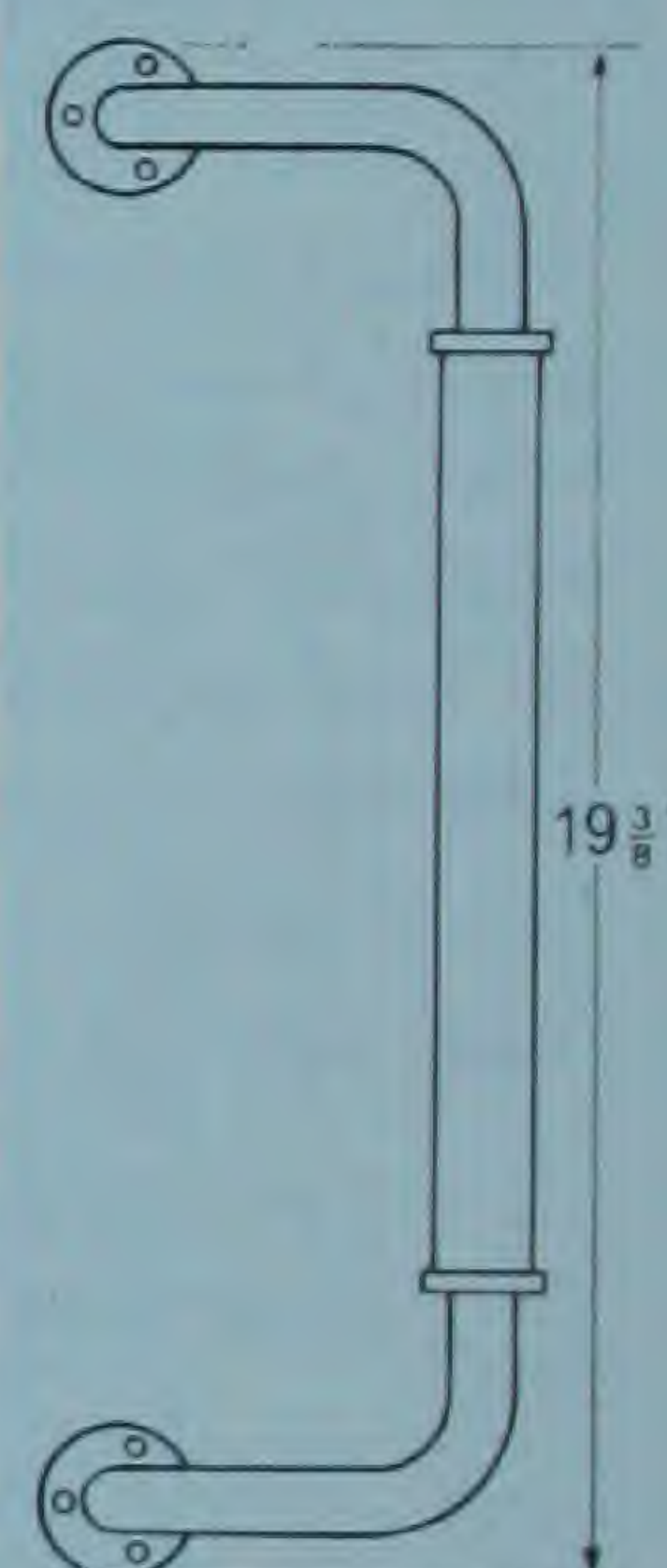
With Satin Nickel Plated Metalwork



Left hand 6510 Right hand



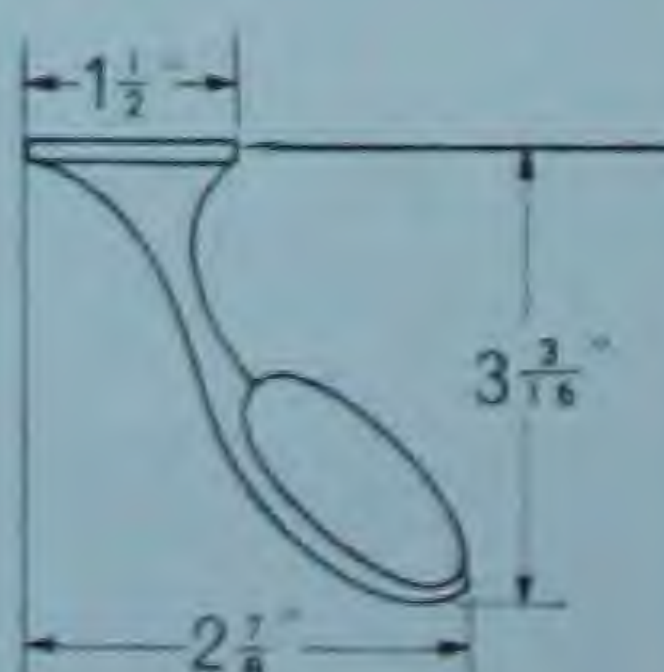
6512



All prices include Wood Screws for fixing



6511



- | | | |
|------|---------------------------------------|-----------|
| 6510 | With Black Plastic Grip | 69/6 each |
| 6512 | With Grooved Teak or Oak Grip | 67/6 " |
| 6511 | With Oval-shaped Teak Grip | 61/6 " |

Handles on this page are also available with Satin Chromium Plated Metalwork.

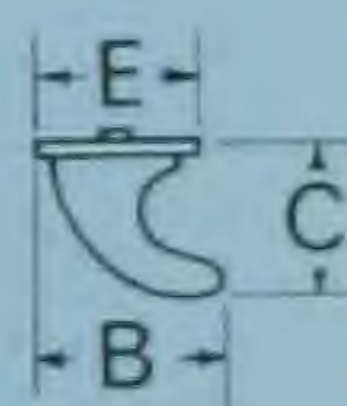
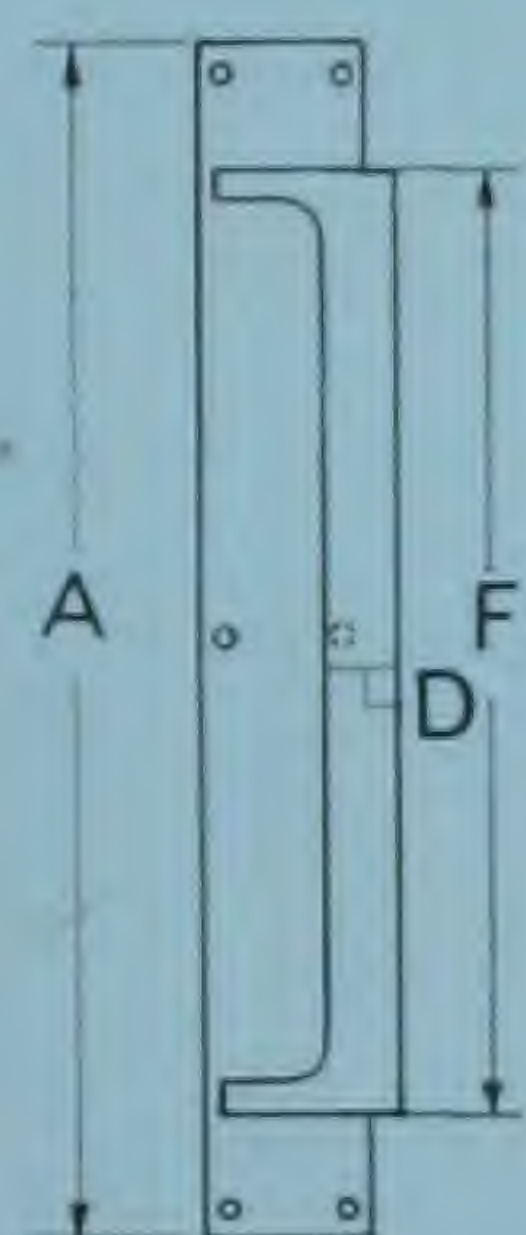
Teak Grips are supplied in Natural colour, Oak Grips in shade required.

GRIP HANDLES

4011	Real B.M.A.	17½"	395/-	each
5148	Real B.M.A.	16"	62/-	each
	Satin C.P.	16"	71/-	"
2772	Real B.M.A.	14"	89/-	each
	Satin Bronze	14"	89/-	"

Prices include Wood Screws for fixing.

	A	B	C	D	E	F
4011	17½"	3¾"	2¾"	1"	3¼"	12"
5148	16"	3"	2⅞"	¾"	2¾"	12"
2772	14"	3"	2¼"	⅞"	2¾"	9"



4011

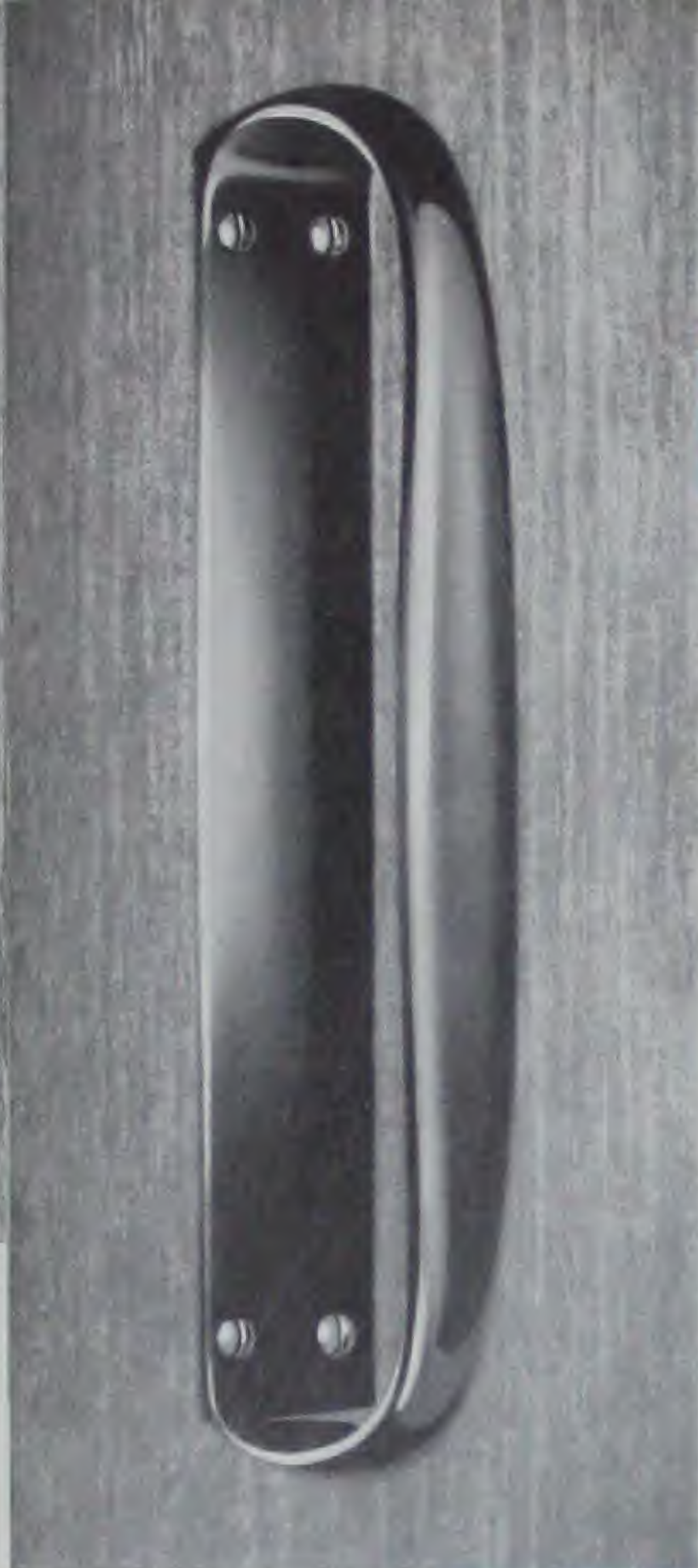


5148

4011 is an example of a traditional hand-chased door handle. Other designs of this type are available.



2772



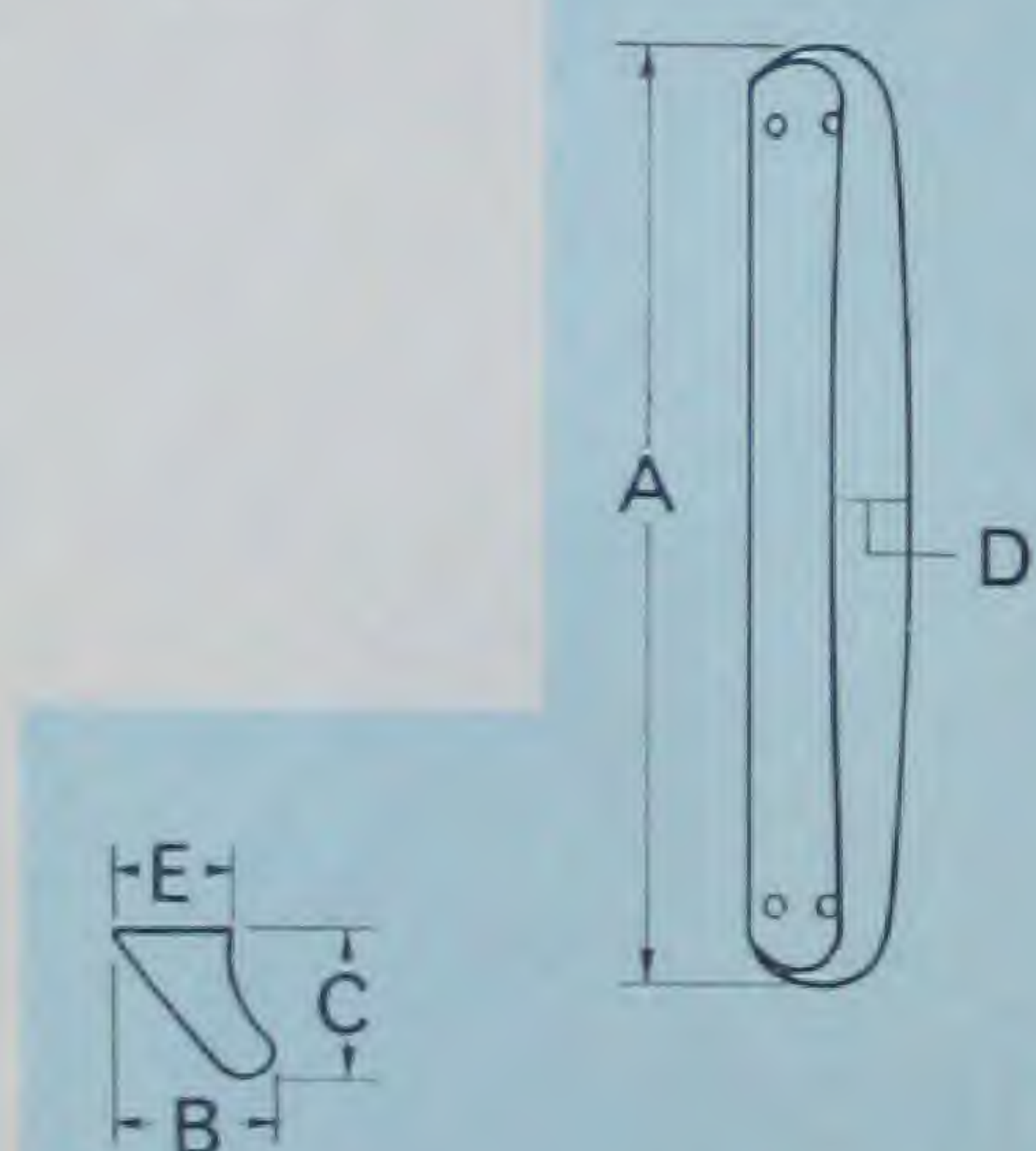
GRIP HANDLES

		7"	9"	12"	15"	
5150	Real B.M.A.	33/-	40/-	49/-	62/-	each
	Satin C.P.	39/-	47/-	58/-	74/-	"
5466	Real B.M.A.	..	..	13"	..	67/- each
	Satin C.P.	..	..	13"	..	75/- "
5145	Real B.M.A.	..	..	14"	..	45/- each
	Satin C.P.	..	..	14"	..	51/- "

Prices include Wood Screws for fixing.

Handles on this page are also available in Satin Bronze, Satin Brass or Polished C.P.

5150



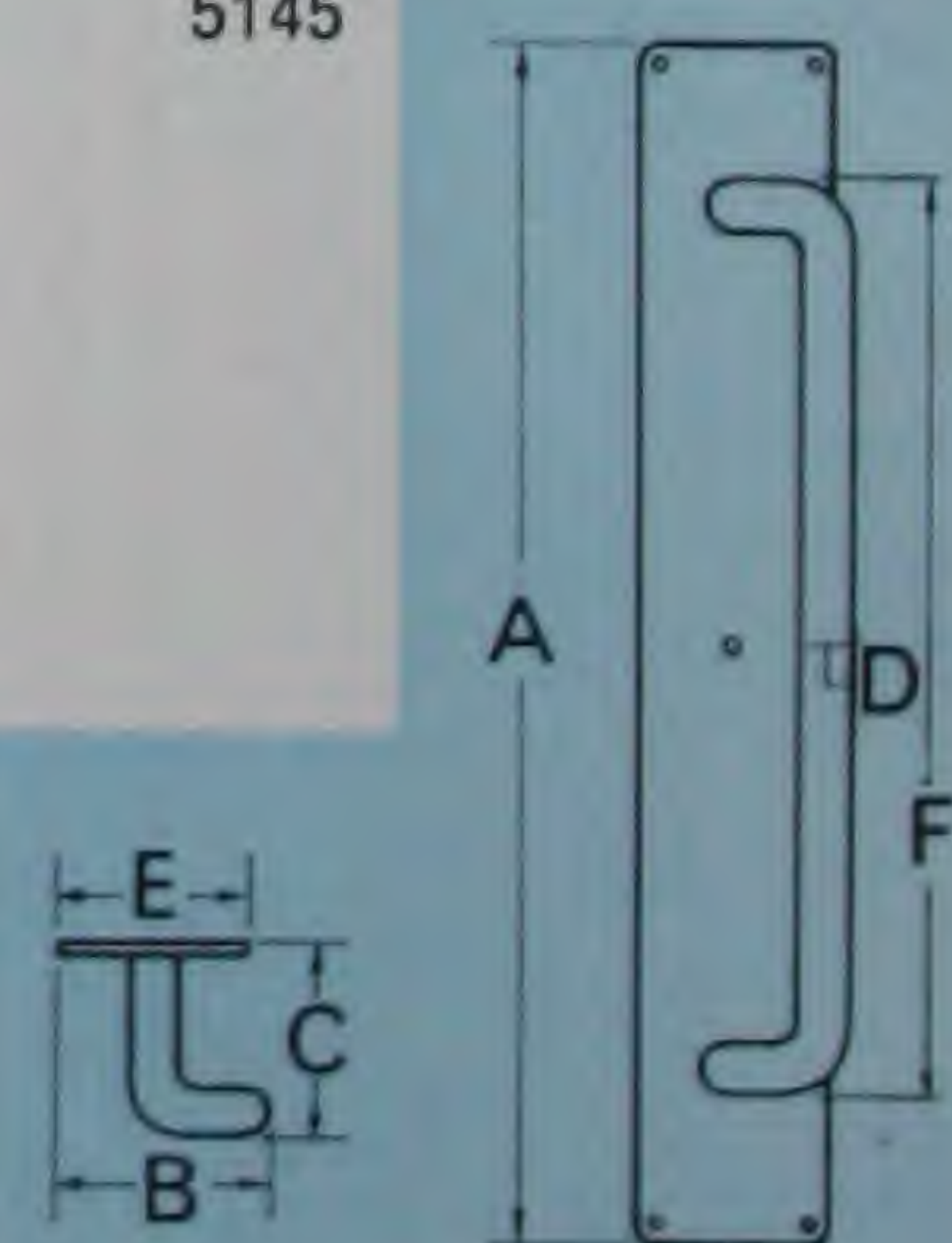
	A	B	C	D	E	F
5150	7"	1 $\frac{7}{8}$ "	2 $\frac{1}{8}$ "	1 $\frac{3}{16}$ "	1 $\frac{1}{4}$ "	—
	9"	2 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	1 $\frac{5}{16}$ "	1 $\frac{1}{2}$ "	—
	12"	2 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	1"	1 $\frac{1}{2}$ "	—
	15"	2 $\frac{3}{8}$ "	2 $\frac{3}{16}$ "	1 $\frac{1}{16}$ "	1 $\frac{1}{2}$ "	—
5466	13"	2 $\frac{3}{8}$ "	1 $\frac{7}{8}$ "	1"	2"	—
5145	14"	3"	2 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	10"



5466



5145

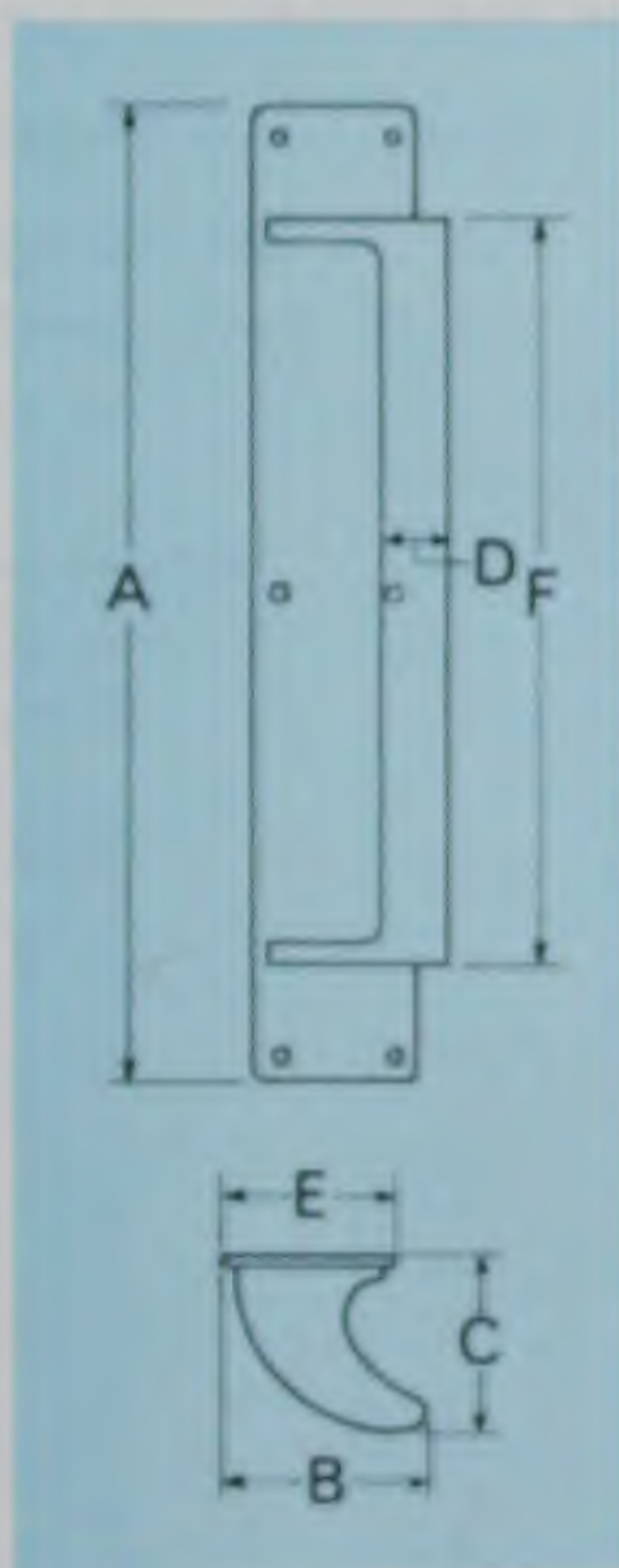


GRIP HANDLES

			10"	12"	14"	
5428	Real B.M.A.	..	—	—	67/-	each
	Satin C.P.	..	—	—	75/-	"
5153	Real B.M.A.	..	—	53/-	62/-	each
	Satin C.P.	..	—	61/-	71/-	"
3839	Real B.M.A.	..	42/-	—	—	each
	Satin C.P.	..	47/-	—	—	"

Prices include Wood Screws for fixing.

Handles on this page
are also available
in Satin Bronze,
Satin Brass,
or Polished C.P.



5153

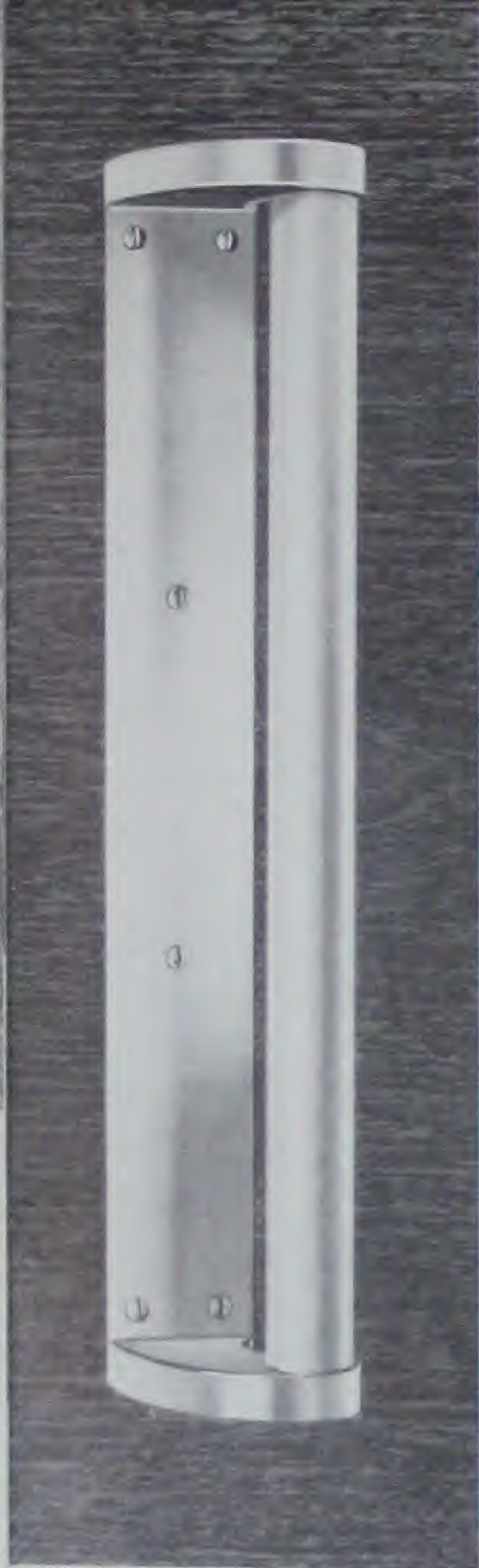
	A	B	C	D	E	F
5428	14"	2½"	2½"	1"	2½"	10½"
5153	12"	2½"	2"	¾"	2½"	7"
	14"	2½"	2"	¾"	2½"	8"
3839	10"	—	1½"	¾"	2"	6½"



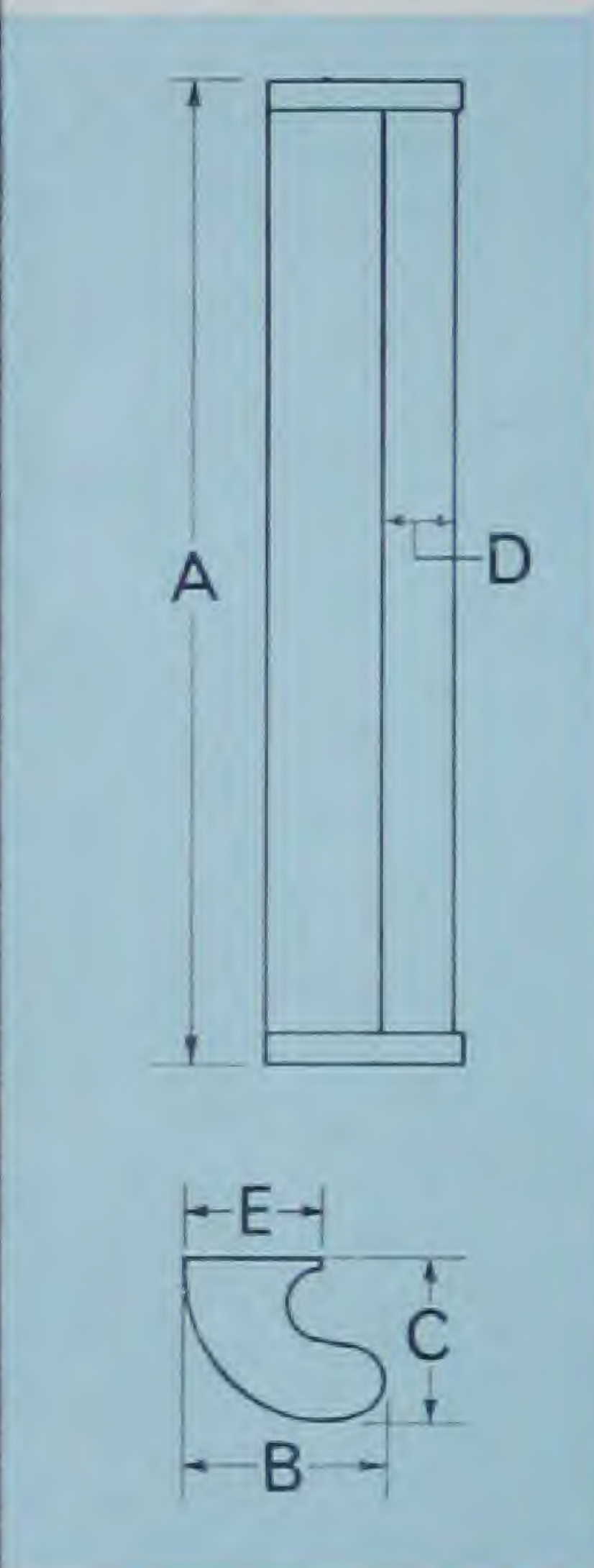
3839



5428



6613



GRIP HANDLES

6613	Real B.M.A.	..	12½"	..	69/-	each	16½"	..	82/-	each
	Satin C.P...	..	12½"	..	59/-	"	16½"	..	71/-	"
	Silver Anodised	..	12½"	..	47/-	"	16½"	..	56/-	"
5415	Real B.M.A.	..	12"	..	53/-	each	16"	..	59/-	each
	Satin C.P...	..	12"	..	60/-	"	16"	..	68/-	"
			6"	8"	10"	12"	15"	18"		
6632	Real B.M.A.		21/6	24/-	26/6	56/-	74/-	77/-	each	
	Satin C.P.		23/-	26/-	28/-	61/-	79/-	82/-	"	
					10¾"	13¾"	15¾"	17¾"		
6611	Real B.M.A.	..	..	..	37/-	40/-	43/-	46/-	each	

Prices include Wood Screws for fixing.

6632 can also be supplied in 24", 30" and 36" sizes, prices on application.

Handles on this page are also available in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.



6632



6611



5415

	A	B	C	D	E
6613	12½"	3"	2⅝"	1⅛"	2"
	16½"	3"	2⅝"	1⅛"	2"
5415	12"	1¾"	2¾"	7⁄8"	1¼"
	16"	1¾"	2¾"	7⁄8"	1¼"
6632	6"	1⅜"	1⅝"	1⅛"	7⁄8"
	8"	1⅜"	1⅝"	1⅛"	7⁄8"
	10"	1⅜"	1⅝"	1⅛"	7⁄8"
	12"	2¾"	2⅞"	1"	1⅜"
	15"	3⅝"	3¼"	1⅜"	1⅞"
	18"	3⅝"	3¼"	1⅜"	1⅞"
6611	10¾"	2¼"	2½"	1½" × ¾"	1¼"
	13¾"	2¼"	2½"	1½" × ¾"	1¼"
	15¾"	2¼"	2½"	1½" × ¾"	1¼"
	17¾"	2¼"	2½"	1½" × ¾"	1¼"

GRIP HANDLES

		12"	18"	24"	
5630	Silver Anodised or Satin Silver Anodised	43/-	48/-	53/-	each
5633	" " " " " "	45/-	51/-	57/-	"

		9"	12"	15"	18"	
6633	Silver Anodised	18/6	20/6	22/-	24/6	each
	Satin Silver Anodised	20/6	23/-	24/6	27/-	"

Prices include Wood Screws for fixing.

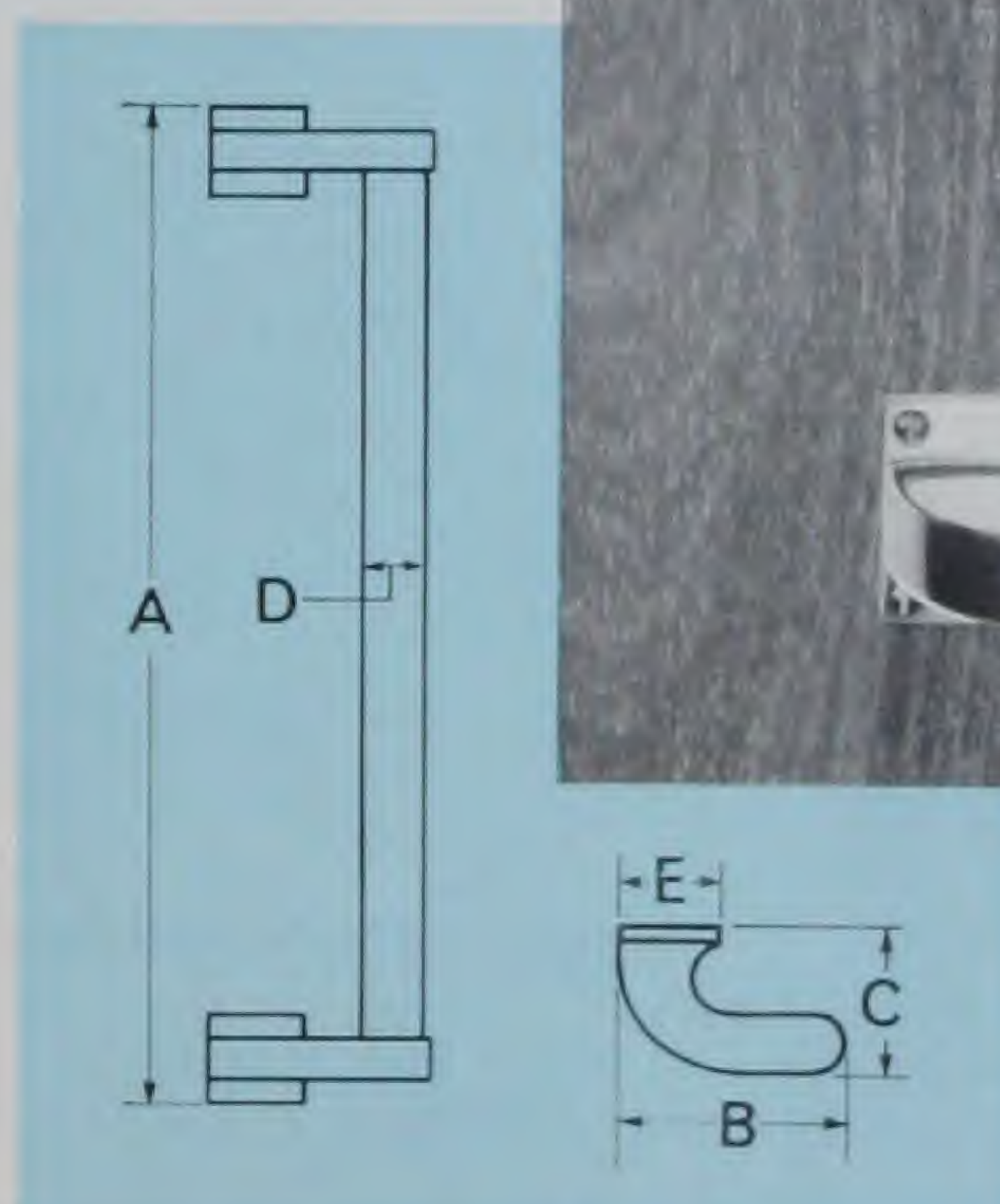
Pattern 5630 can also be supplied with Cocus or Rosewood Grips. Pattern 6633 is also available in Real B.M.A. or Satin Chromium Plated—prices on application.



5633



6633



	A	B	C	D	E
5630	13" 19" 25"	4" 4" 4"	3 1/4" 3 1/4" 3 1/4"	1 1/4" 1 1/4" 1 1/4"	2" 2" 2"
5633	13" 19" 25"	4 1/8" 4 1/8" 4 1/8"	3 1/8" 3 1/8" 3 1/8"	Oval 1 3/8" x 7/8" 1 3/8" x 7/8" 1 3/8" x 7/8"	2" 2" 2"
6633	9 1/2" 12 1/2" 15 1/2" 18 1/2"	2" 2 5/8" 2 5/8" 2 5/8"	2 1/4" 2 1/2" 2 1/2" 2 1/2"	3/4" 1 1/8" 1 1/8" 1 1/8"	1" 1 3/8" 1 3/8" 1 3/8"

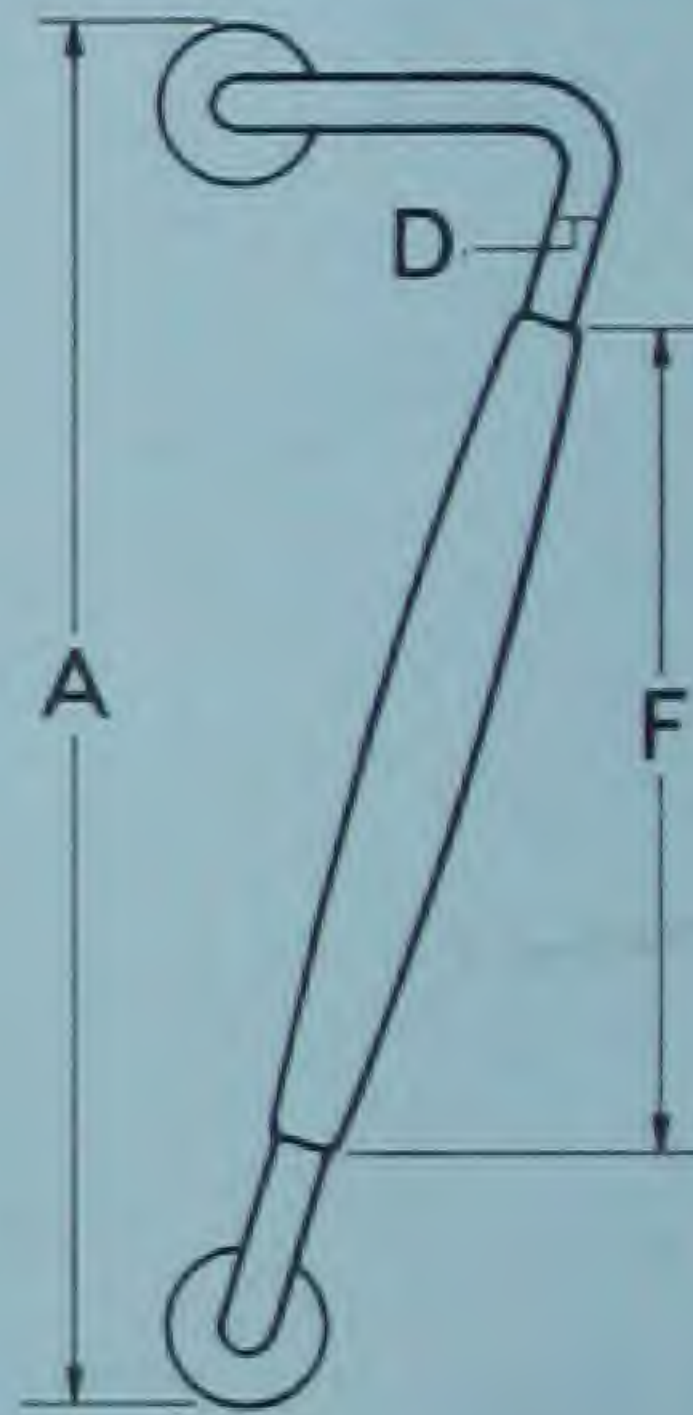
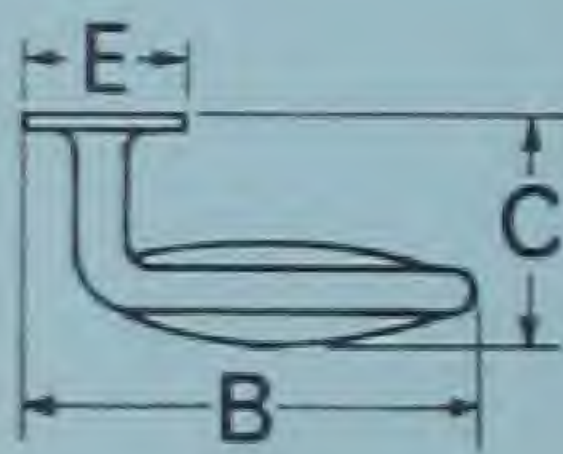


5630

GRIP HANDLES

All Handles illustrated on this page are shown right hand.
Left hand also available.

4675



	A	B	C	D	E	F
4675	9"	2 $\frac{7}{8}$ "	2 $\frac{1}{2}$ "	$\frac{7}{16}$ "	1 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
	12"	4 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	$\frac{1}{2}$ "	1 $\frac{1}{2}$ "	7"
	16 $\frac{3}{4}$ "	5"	2 $\frac{7}{8}$ "	$\frac{5}{8}$ "	1 $\frac{3}{4}$ "	10 $\frac{1}{2}$ "
6615	18 $\frac{1}{2}$ "	4 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	$\frac{5}{8}$ "	1 $\frac{7}{8}$ "	12"
6616	18"	4 $\frac{1}{4}$ "	2 $\frac{7}{8}$ "	$\frac{5}{8}$ "	1 $\frac{3}{4}$ "	9"

4675 With Natural finish Beech Grip.

	9"	12"	16 $\frac{3}{4}$ "
Real B.M.A.	31/-	40/-	49/- each
Satin C.P.	34/-	44/-	53/- "

6615 With Natural finish Teak Grip.

Real B.M.A.	18"	..	82/- each
Satin C.P.	18"	..	82/- "

6616 With Natural finish Beech Grip.

Real B.M.A.	18"	..	53/- each
Satin C.P.	18"	..	58/- "

Prices include Wood Screws for fixing.

Handles on this page are also available with Metalwork in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated, and with Grips in alternative woods.

6615 can also be supplied with secret fixing back-to-back roses, fixing centres being 16 $\frac{3}{4}$ ", suitable for armour plate glass doors with standard drilling—prices on application.

6615

6616

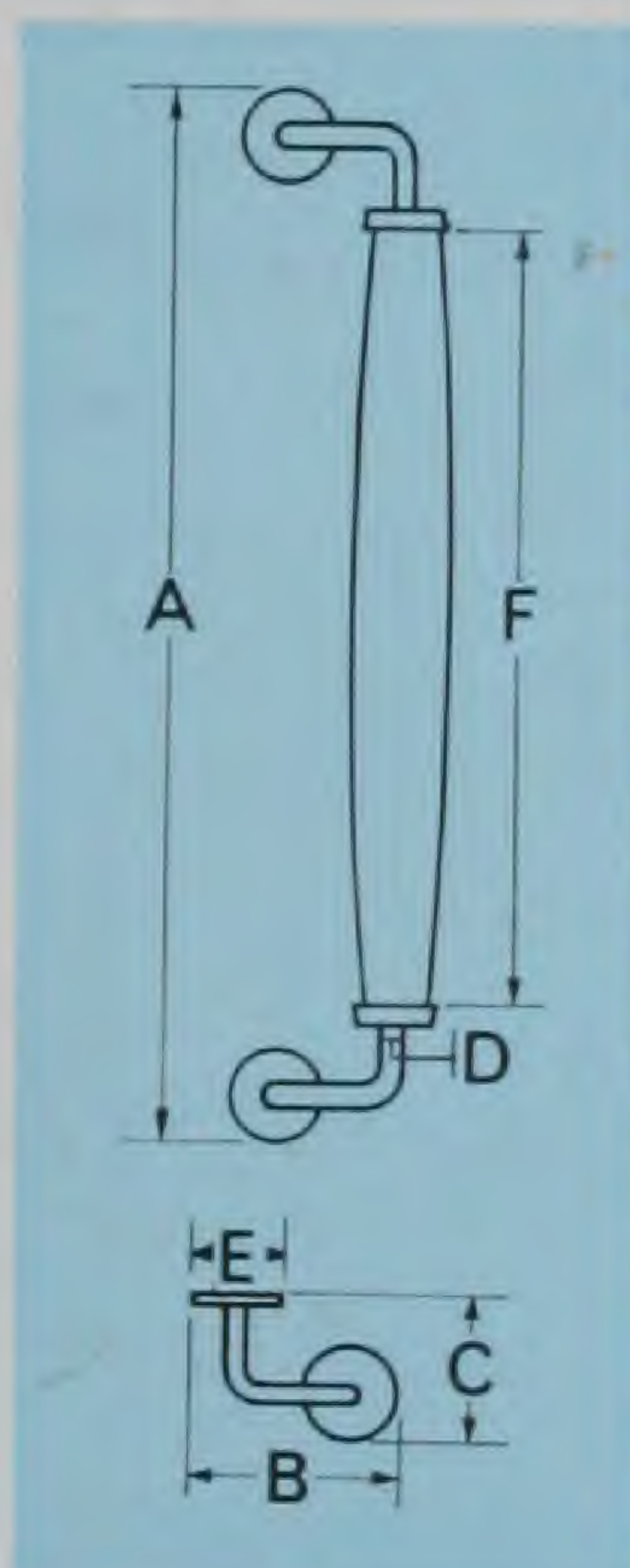
GRIP HANDLES

With Beech
Grips.

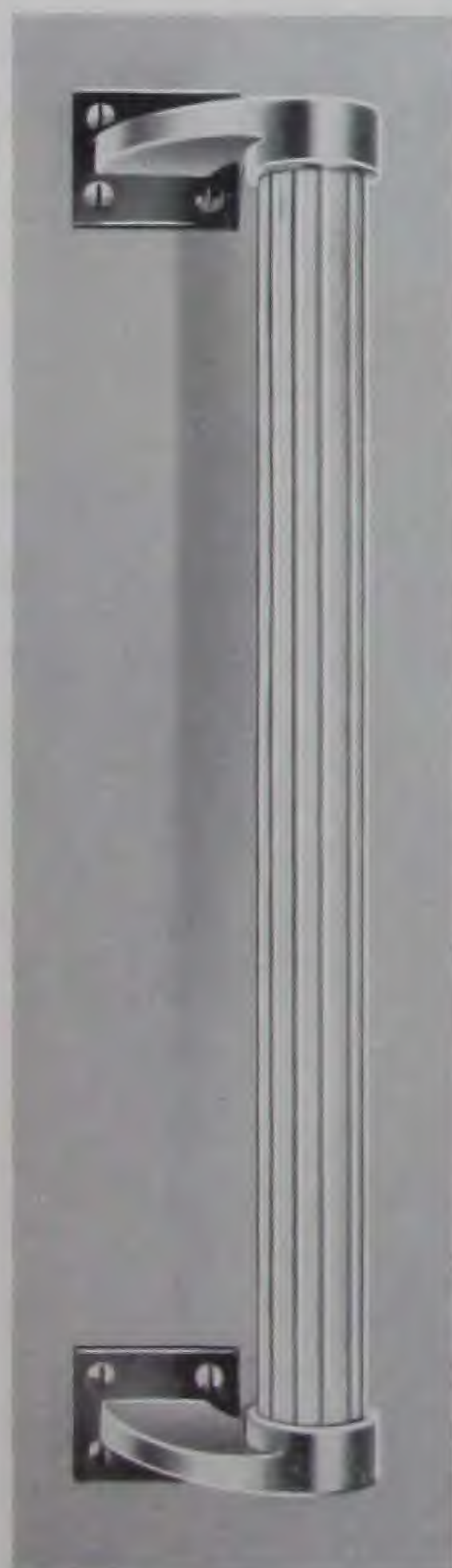
Grips can be
supplied in
alternative
woods, details
on application.



4670



4665 With concealed face-fixing.
Illustration right hand. Left hand available.



4660

		9"	12"	15"
4670	Real B.M.A. . .	29/-	35/-	40/- each
	Satin C.P. . .	33/-	39/-	45/- "
4665	Real B.M.A. . .	..	16½"	62/- each
	Satin C.P. . .	..	16½"	66/- "
4660	Real B.M.A. . .	..	17"	66/- each
	Satin C.P. . .	..	17"	74/- "
6617	Real B.M.A. . .	..	15"	53/- each
	Satin C.P. . .	..	15"	58/- "

Prices include Wood Screws for fixing.

	A	B	C	D	E	F
4670	9"	2½"	2¾"	7/8"	1¾"	5½"
	12"	2¾"	2½"	½"	1½"	7"
	15"	2¾"	2½"	5/8"	1¾"	10½"
4665	16½"	3¼"	3"	½"	1½"	11½"
4660	17"	3½"	2¾"	—	2"	14¼"
6617	15"	2¾"	2¾"	½"	1½"	9"

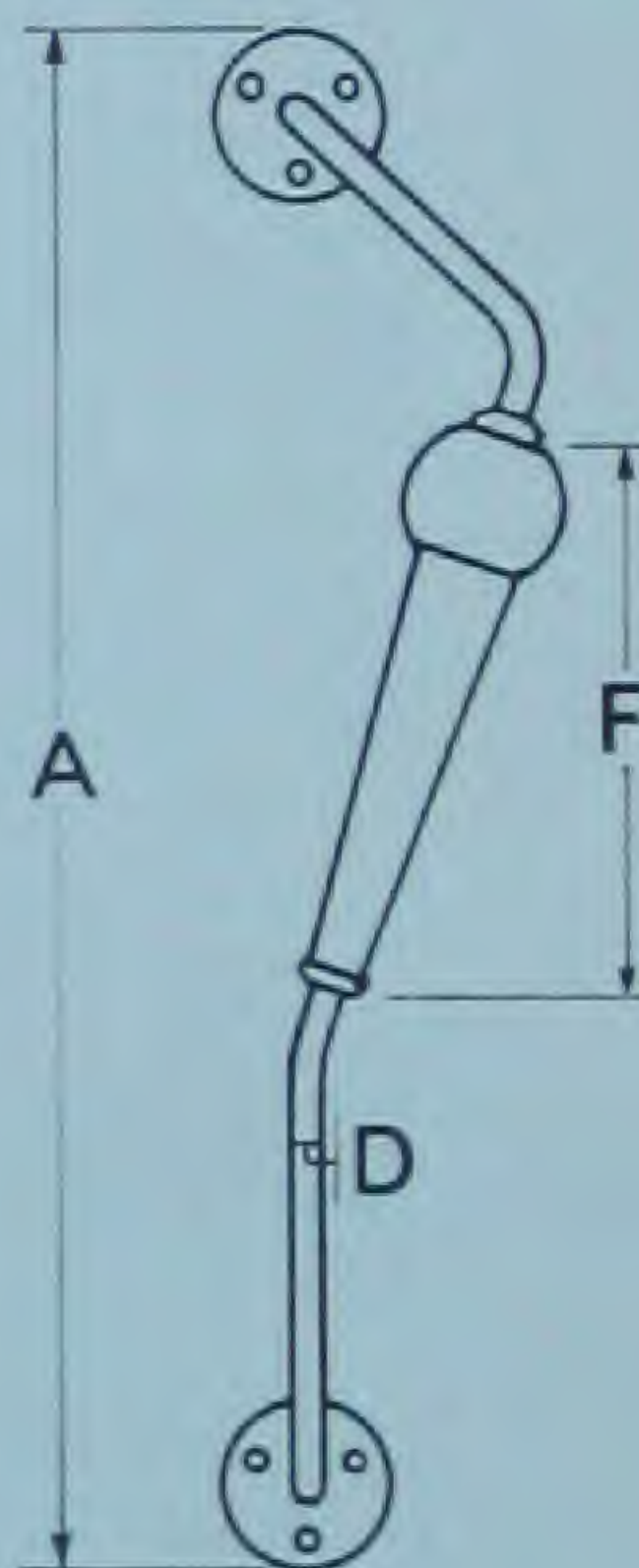
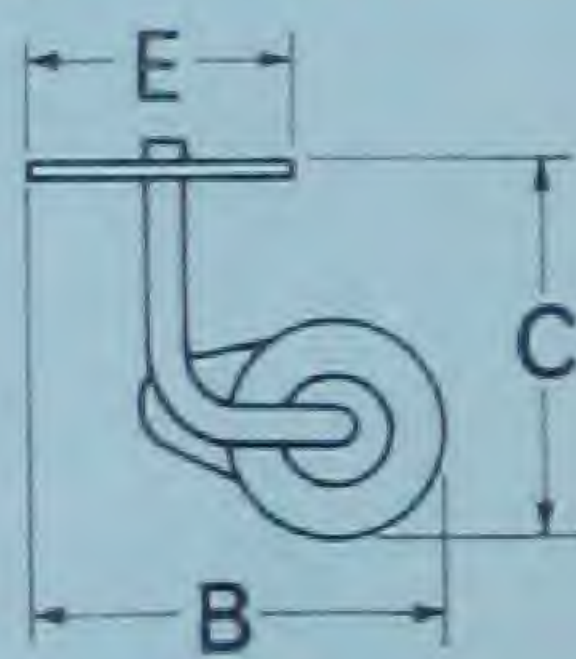
Handles on this page are also available with Satin
Bronze, Satin Brass, Polished C.P. or Satin Nickel
Plated Metalwork.



6617



6638



GRIP HANDLES

With Natural finish Beech Grips.

6638	B.M.A.	..	..	..	51/-	each
	Satin C.P.	..	..	..	55/-	"
6639	B.M.A.	..	..	..	54/-	each
	Satin C.P.	..	..	..	56/-	"
6640	B.M.A.	..	..	..	46/-	each
	Satin C.P.	..	..	..	50/-	"

Prices include Wood Screws for fixing.

	A	B	C	D	E	F
6638	18 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	$\frac{1}{2}$ "	2"	6 $\frac{3}{4}$ "
6639	19 $\frac{1}{2}$ "	3 $\frac{5}{8}$ "	2 $\frac{1}{2}$ "	$\frac{1}{2}$ "	2"	7"
6640	19 $\frac{1}{2}$ "	3 $\frac{5}{8}$ "	2 $\frac{1}{2}$ "	$\frac{1}{2}$ "	2"	7"



6639

All Handles on this page have 16 $\frac{3}{4}$ " fixing centres, and will suit armour plate glass doors with standard drilling. If ordered for this purpose, 1 $\frac{1}{2}$ " roses are fitted, for back-to-back fixing.

Illustrations are Right hand.
(Left hand also available.)

Handles on this page can be supplied with Metalwork in Satin Brass or Satin Nickel Plated. Grips are also available in alternative woods or "Doverite" Plastic Covered.



6640

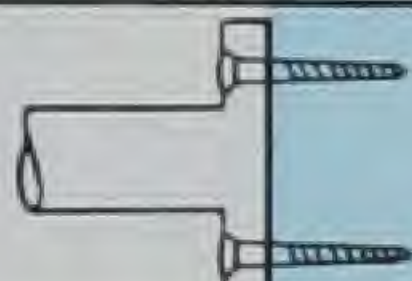
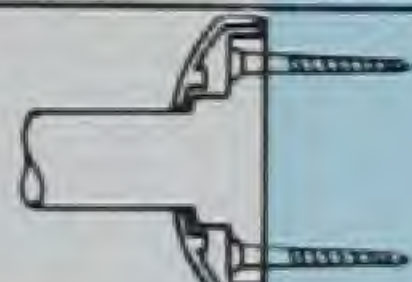

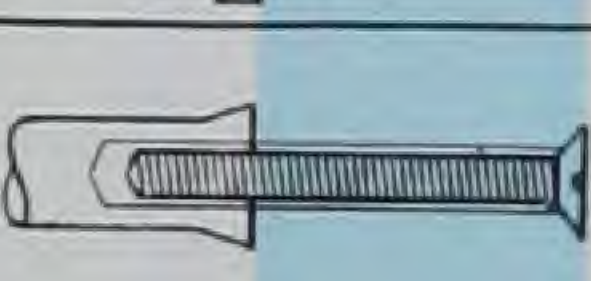
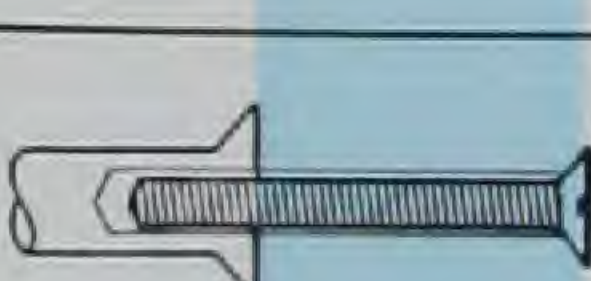
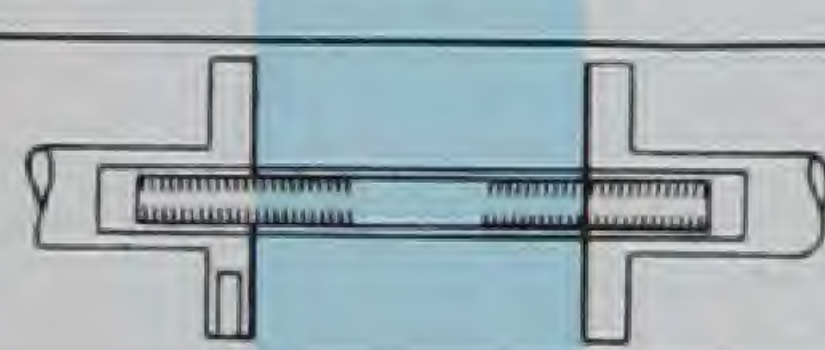

GRIP HANDLES—TYPES OF FIXING

Applicable to pages 30 to 32

Type FF1 is the standard Face fixing pattern generally used.

For particular applications, alternative types of roses are available,

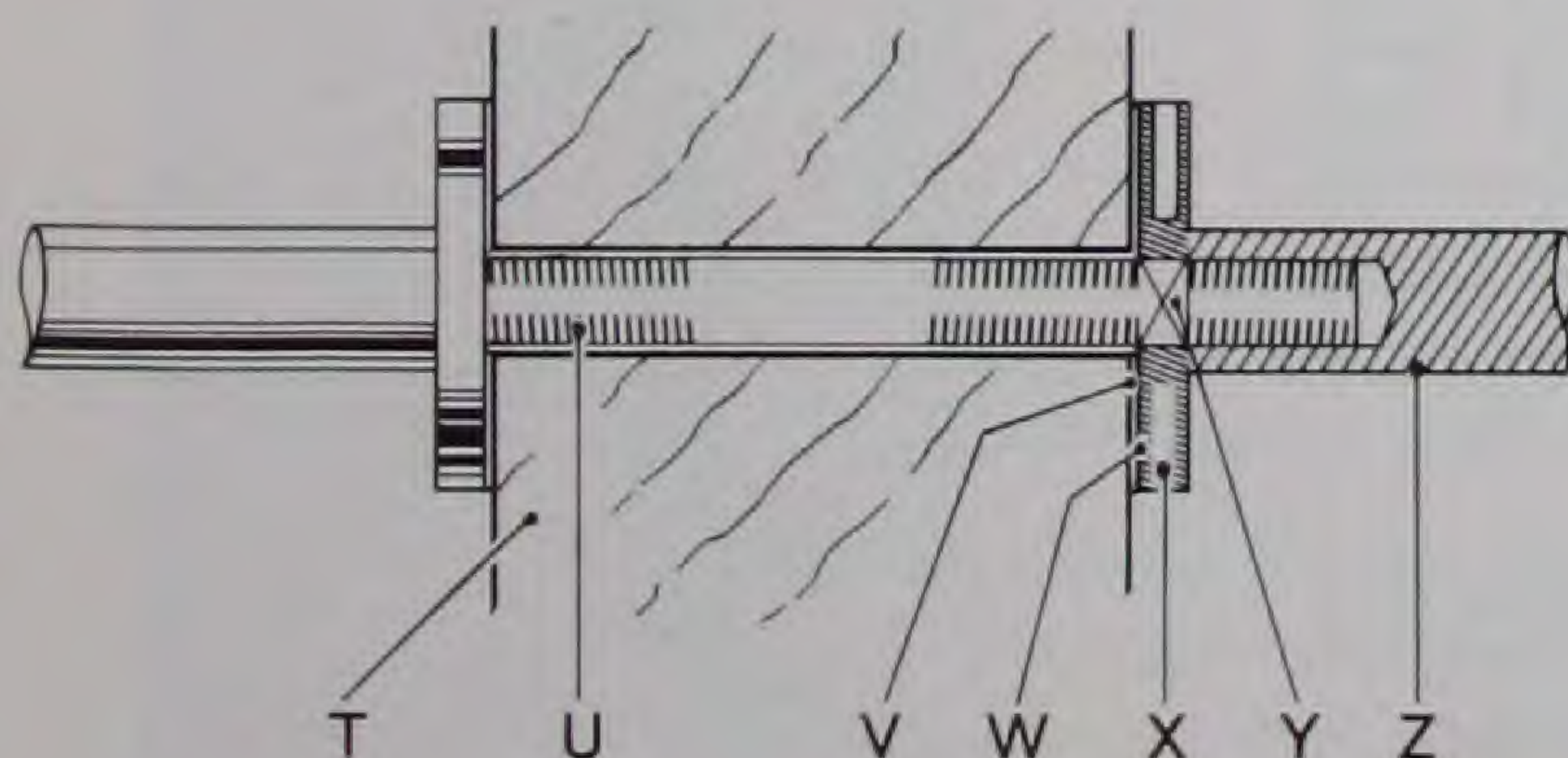
i.e. Covered Face fixing, Back fixing, and Back-to-back fixing, as details below.

Type		Section	Diameter of Bar		
			$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "
			Diameter of Rose		
FF1	Standard Large Rose. Face fixing, with wood screws.		1 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	2"
FF2	Screw-on Covered Rose. Face fixing, with wood screws.		1 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	1 $\frac{3}{4}$ "
FB1	Large Rose. Back fixing, with countersunk headed bolt.		1 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	2"
FB2	Steep conical Rose. Back fixing, with countersunk headed bolt.		$\frac{5}{8}$ "	$\frac{7}{8}$ "	1"
FB3	Shallow conical Rose. Back fixing, with countersunk headed bolt.		$\frac{7}{8}$ "	1 $\frac{1}{16}$ "	1 $\frac{1}{4}$ "
BB1	Large Rose. Back-to-back fixing. For further details see below.		1 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "	2"
BB2	Conical Rose. Back-to-back fixing. For further details see below.		$\frac{7}{8}$ "	1 $\frac{1}{16}$ "	1 $\frac{1}{4}$ "

"Diameter of Bar" refers to dimension "D" shown on key diagrams on pages 30 to 32.

Types BB1 and BB2. When ordering, please state thickness of Door. (Can be used for Glass Doors.)

DETAILS OF BACK-TO-BACK FIXINGS



Type BB1. "T"—Door.

"U"— $\frac{5}{16}$ " Square spindle, threaded half right hand and half left hand.

"V"—Fibre washer.

"W"—Flat Rose, turned by tommy bar inserted in the hole X to turn spindle U, which is a sliding fit in square hole Y, so that the brackets Z of the handles on each side of the door are drawn together and secured.

Type BB2. Details are exactly as above except that Conical Roses are used.



6623



6624

GRIP HANDLES

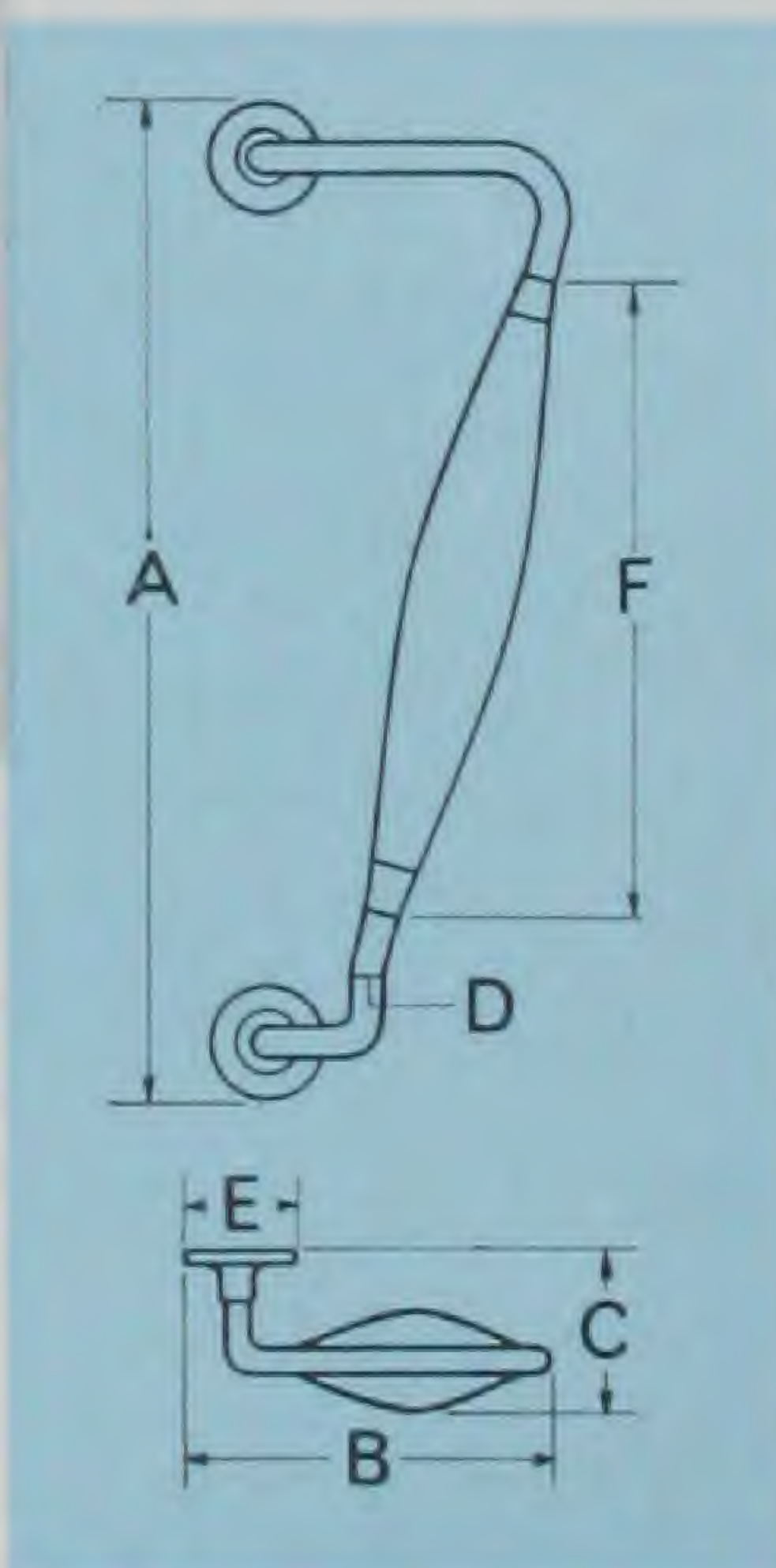
With Natural finish Beech Grips.

						14½"	16½"
6623	Real B.M.A.	..	..	..	..	49/-	51/- each
	Satin C.P.	..	..	..	..	51/-	54/- "
6624	Real B.M.A. or	}		9"	13"	16¾"	18½"
	Satin C.P.			31/-	38/-	46/-	51/- each
						14½"	18½"
6625	Real B.M.A.	..	..	..	..	51/-	58/- each
	Satin C.P.	..	..	..	..	56/-	65/- "

Patterns 6624 and 6625 are priced for standard face-fixing roses, type FF1, as shown on page 29. Prices for other types of fixing on application.

Prices include Wood Screws for fixing.

Grips can also be supplied in Teak or Plastic.



Illustrations of 6623 and 6625 show right hand. Left hand also available.

	A	B	C	D	E	F
6623	14½"	6"	2¾"	½"	2"	8¾"
	16½"	6"	2¾"	½"	2"	10½"
6624	9"	—	2½"	½"	1¼"	6"
	13"	—	2¾"	⅝"	1¾"	8"
	16¾"	—	2¾"	⅝"	1¾"	10½"
	18½"	—	2¾"	⅝"	1¾"	12"
6625	14½"	4¾"	3"	⅝"	1¾"	9¾"
	18½"	5¼"	3¼"	⅝"	1¾"	10"

18½" Handles have 16¾" centres, and when fitted with BB1 or BB2 Roses will suit Armour Plate Glass Doors with standard drilling.

Handles on this page are also available with Metalwork in Satin Nickel Bronze, Polished C.P., Satin Nickel Plated, Silver Anodised or Satin Silver Anodised.



6625

GRIP HANDLES

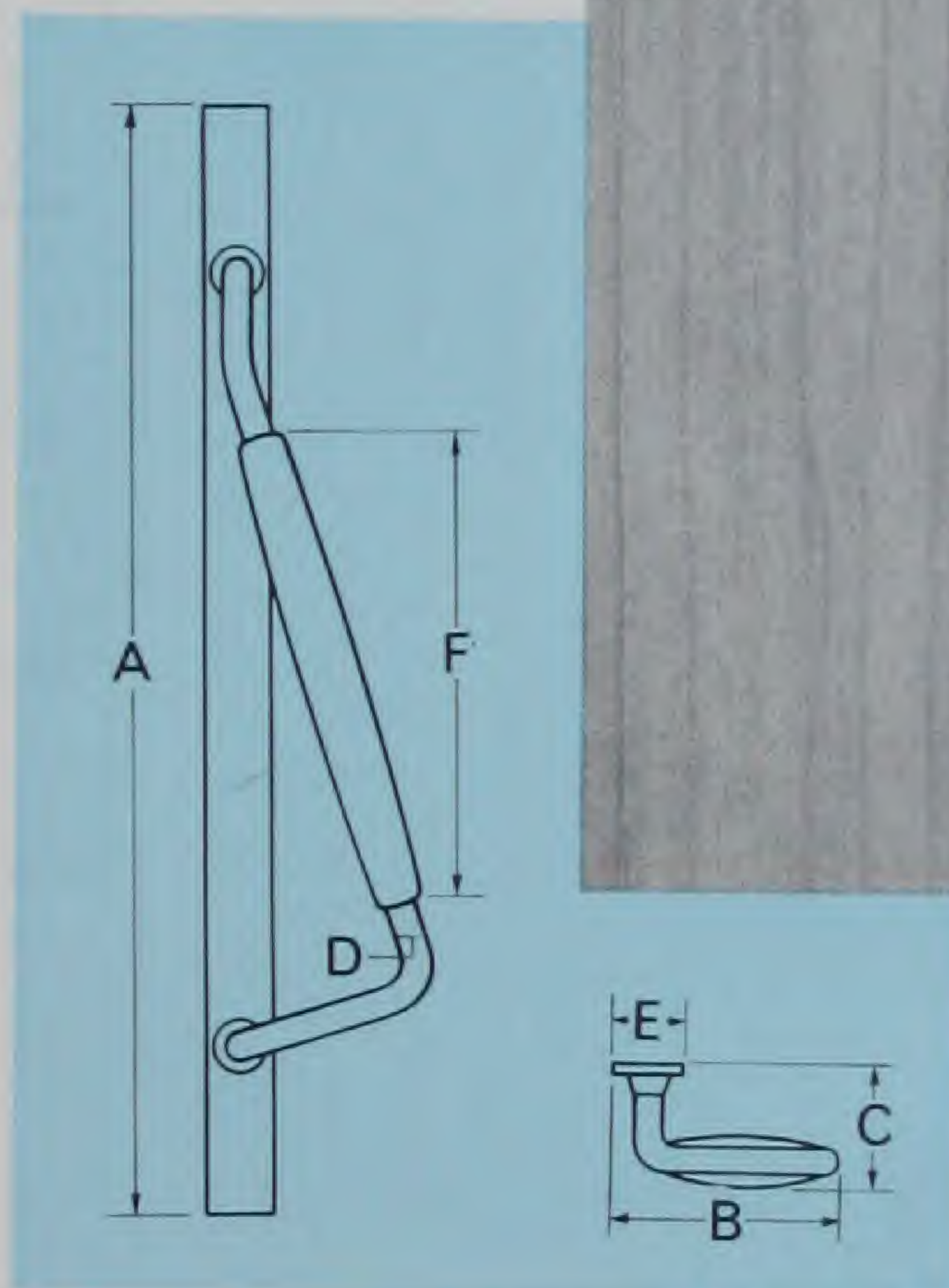
With Natural finish Beech Grips.

6620	Real B.M.A. or Satin C.P.	24"	..	121/-	each
		18½"	22½"		
6621	Real B.M.A.	..	..	62/-	67/- each
	Satin C.P.	..	..	69/-	74/- "
		9"	15"	18½"	
6622	Real B.M.A.	..	..	36/-	52/- 57/- each

6621 and 6622 are priced for standard face-fixing roses, type FF1, as shown on page 29. Prices for other types of fixing on application.

Prices include Wood Screws for fixing.

Illustrations of 6620 and 6621 show right hand. Left hand also available.



	A	B	C	D	E	F
6620	24"	5"	3¼"	5/8"	1¼"	8"
6621	18½"	3¼"	2½"	5/8"	1¾"	8"
	22½"	3½"	2¾"	¾"	2"	8"
6622	9"	3"	2½"	1/2"	1¼"	6"
	15"	6"	2¾"	5/8"	1¾"	10½"
	18½"	6"	2¾"	5/8"	1¾"	12"

18½" Handles have 16¾" centres, and when fitted with BB1 or BB2 Roses will suit Armour Plate Glass Doors with standard drilling.

Handles on this page are also available with alternative finish Metalwork as on page 30.

*

Grips can also be supplied in Teak or Plastic.



6621



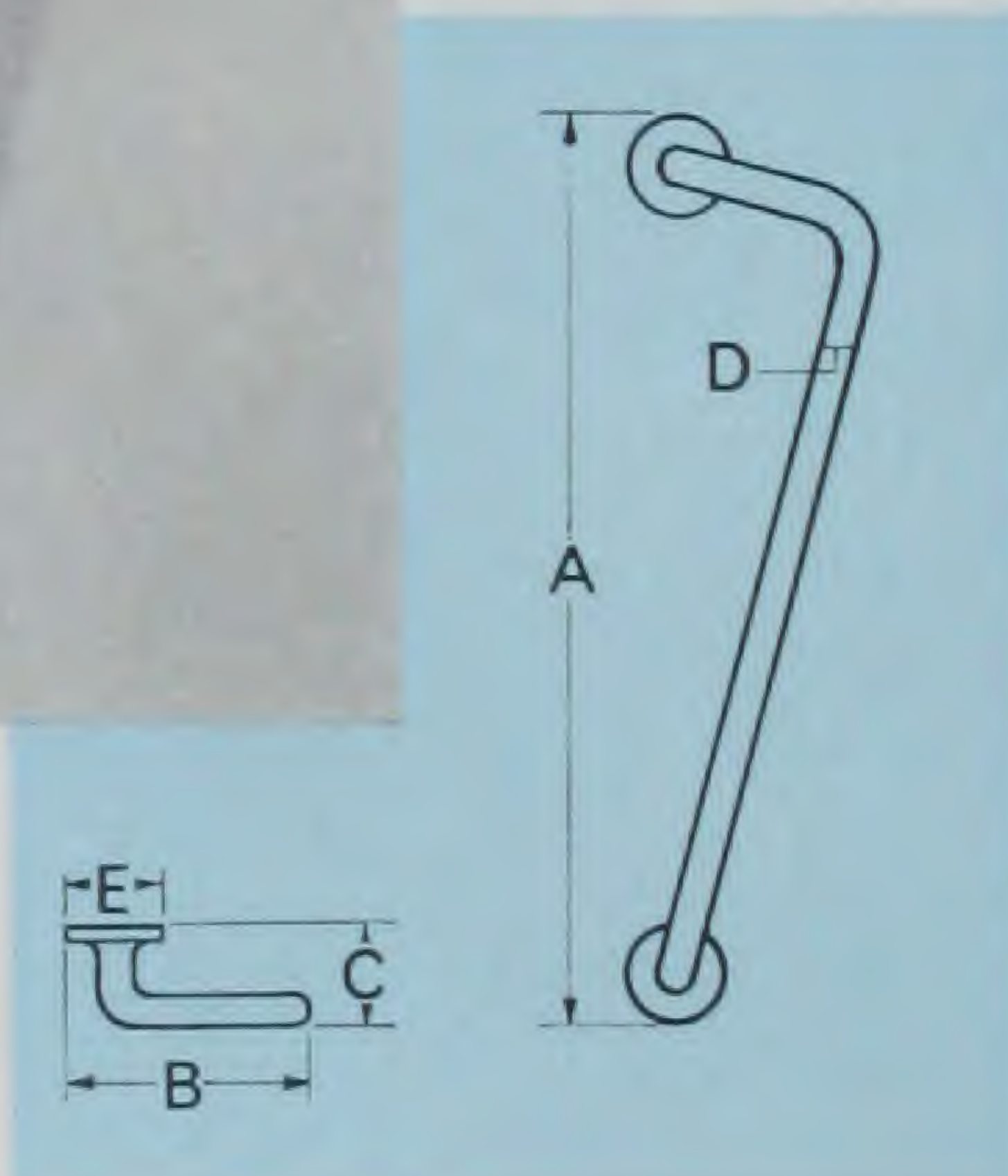
6620



6622



6602



GRIP HANDLES

		9"	10½"	12"	15"
6602	Real B.M.A.	34/-	36/-	44/-	48/- each
	Satin C.P.	37/-	39/-	52/-	58/- "
6619	Real B.M.A. or Satin C.P.	37/-	39/-	56/-	64/- each
6606	Real B.M.A. or Satin C.P.	37/-	39/-	52/-	58/- each

Handles on this page are priced for standard face-fixing roses, type FF1, as shown on page 29. Prices for other types of fixing on application.

Prices include Wood Screws for fixing.

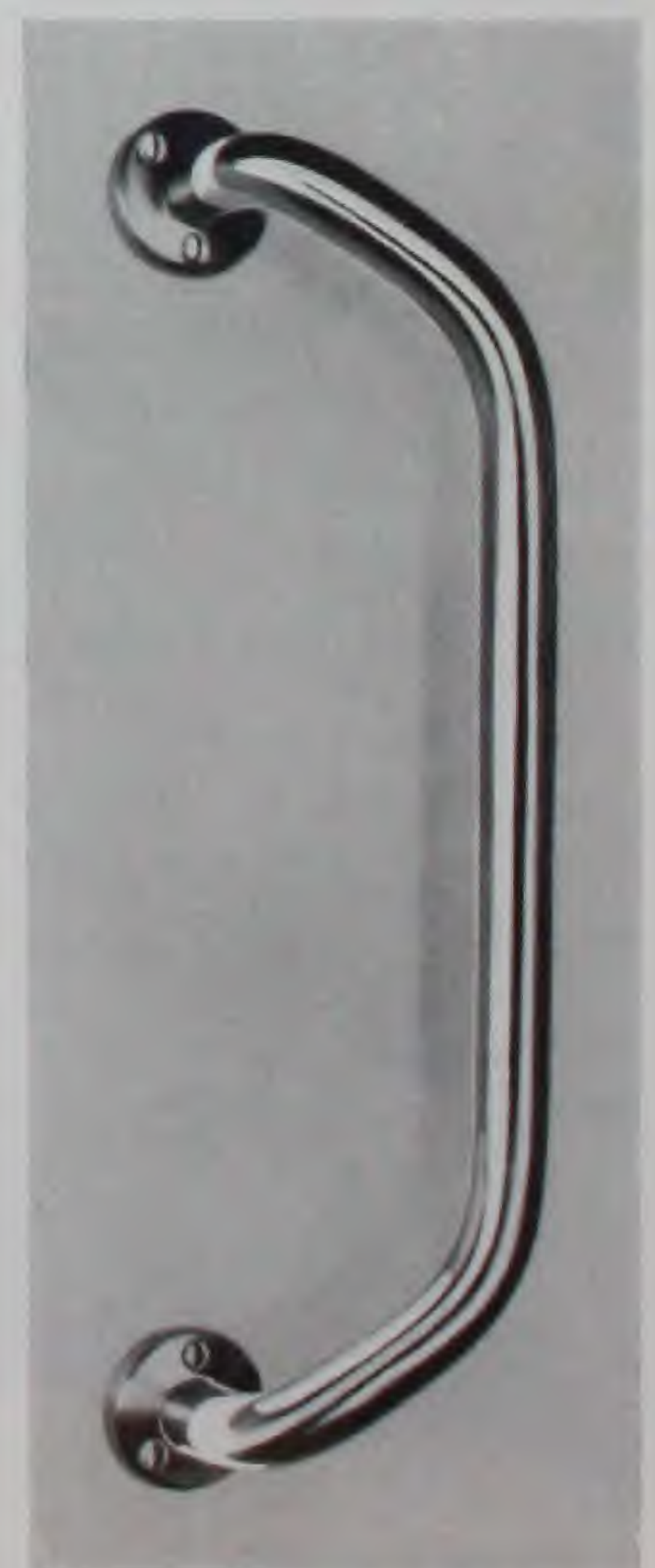
	A	B	C	D	E
6602	9"	4"	2¼"	5/8"	1¾"
	10½"	4"	2¼"	5/8"	1¾"
	12"	5"	2½"	¾"	2"
	15"	5"	2½"	¾"	2"
6619	9"	5"	2¼"	5/8"	1¾"
	10½"	5½"	2¼"	5/8"	1¾"
	12"	6"	2½"	¾"	2"
	15"	7"	2½"	¾"	2"
6606	9"	2½"	2¼"	5/8"	1¾"
	10½"	2½"	2¼"	5/8"	1¾"
	12"	3¾"	2½"	¾"	2"
	15"	3¾"	2½"	¾"	2"



6619

Handles on this page are also available in Satin Bronze, Satin Nickel Bronze, Polished C.P., Satin Nickel Plated, Silver Anodised or Satin Silver Anodised.

Illustrations of 6602 and 6619 show right hand. Left hand also available.



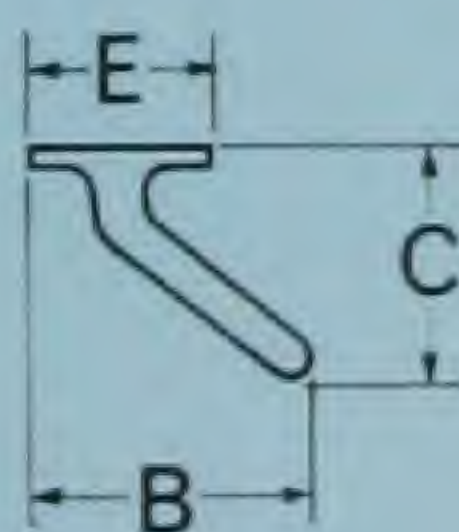
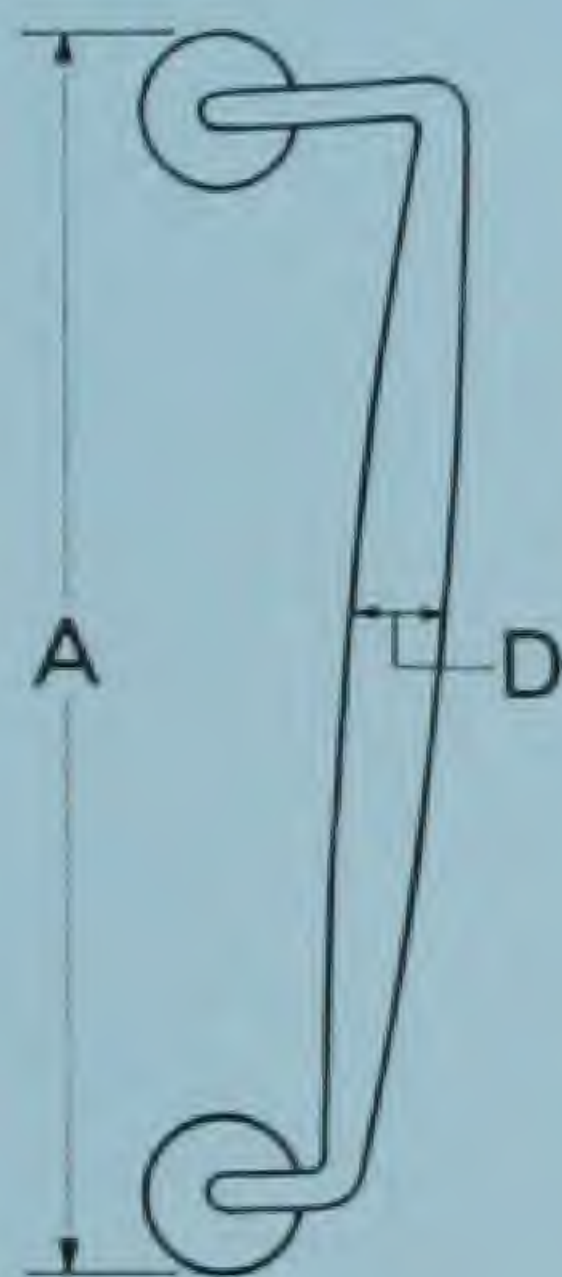
6606

GRIP HANDLES

6608	Real B.M.A.	..	..	..	15½"	67/- each
	Satin C.P.	..	..	..	15½"	80/- "
		7"	9"	10½"	12"	15"
4656	Real B.M.A.	—	26/6	32/-	37/6	51/- each
	Satin C.P.	—	32/-	36/6	44/6	60/- "
4650	Real B.M.A.	26/6	32/6	—	38/6	— each
	Satin C.P.	31/-	38/-	—	45/-	— "

Prices include Wood Screws for fixing.

	A	B	C	D	E
6608	15½"	4½"	2¾"	7"	2"
4656	9"	2¼"	2¼"	5"	1¾"
	10½"	2½"	2¼"	¾"	1¾"
	12"	2½"	2¾"	¾"	1¾"
	15"	2½"	2½"	7"	1¾"
4650	7"	2½"	1½"	¾" × ½"	1½"
	9"	3"	1¾"	7" × 1"	1¾"
	12"	3¼"	2¼"	1½" × 1"	1¾"



6608



4656

Illustrations of 6608 and 4650 show right hand. Left hand also available.

Handles on this page can also be supplied in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.

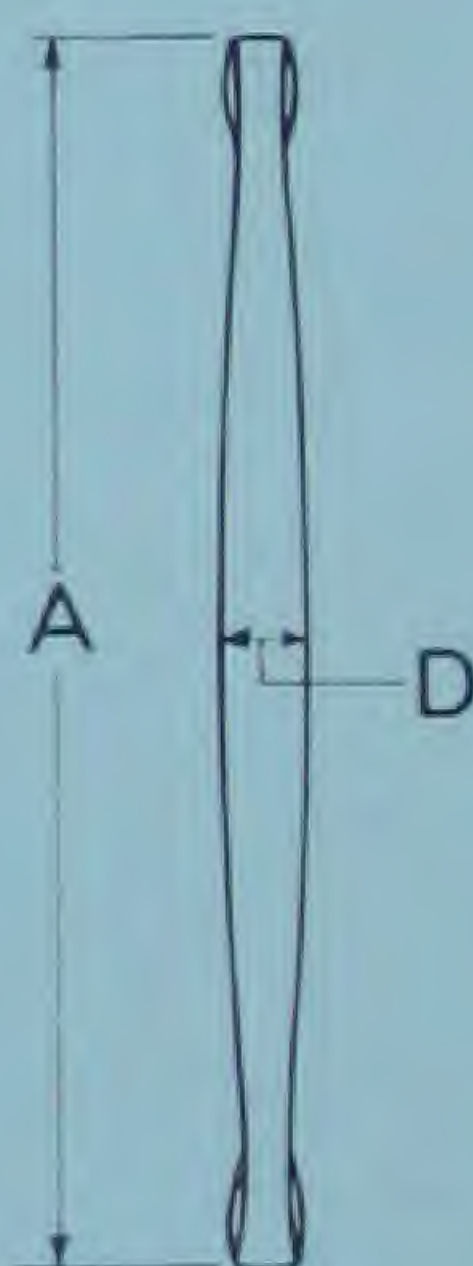
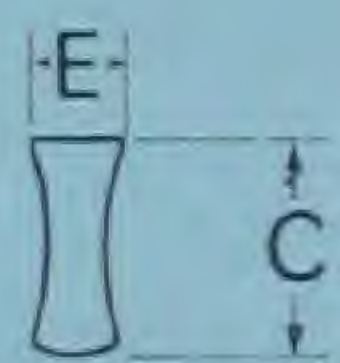


4650

GRIP HANDLES



6634



		6"	9"	12"	
6634	Real B.M.A.	21/6	26/-	31/6	each
	Satin C.P.	23/-	27/6	35/-	"
	Silver Anodised	15/-	18/6	22/6	"
4658	Real B.M.A.	12/6	22/-	32/-	each
	Satin C.P.	14/6	26/-	38/-	"
6604	Real B.M.A.	..	9 1/4"	29/-	each
	Satin C.P.	..	9 1/4"	29/-	"

Prices include Wood Screws for 6604 and Machine Screws for 6634 and 4658 which are back-fixing.

Handles on this page can also be supplied in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.



4658

	A	C	D	E
6634	6"	1 1/2"	9/16"	3/4"
	9"	1 7/8"	1 3/16"	7/8"
	12"	2 1/8"	7/8"	7/8"
4658	6"	1 3/4"	1/2"	3/4"
	9"	2"	5/8"	1"
	12"	2 1/8"	3/4"	1"
6604	9 1/4"	3 1/2"	1 1/8"	2"

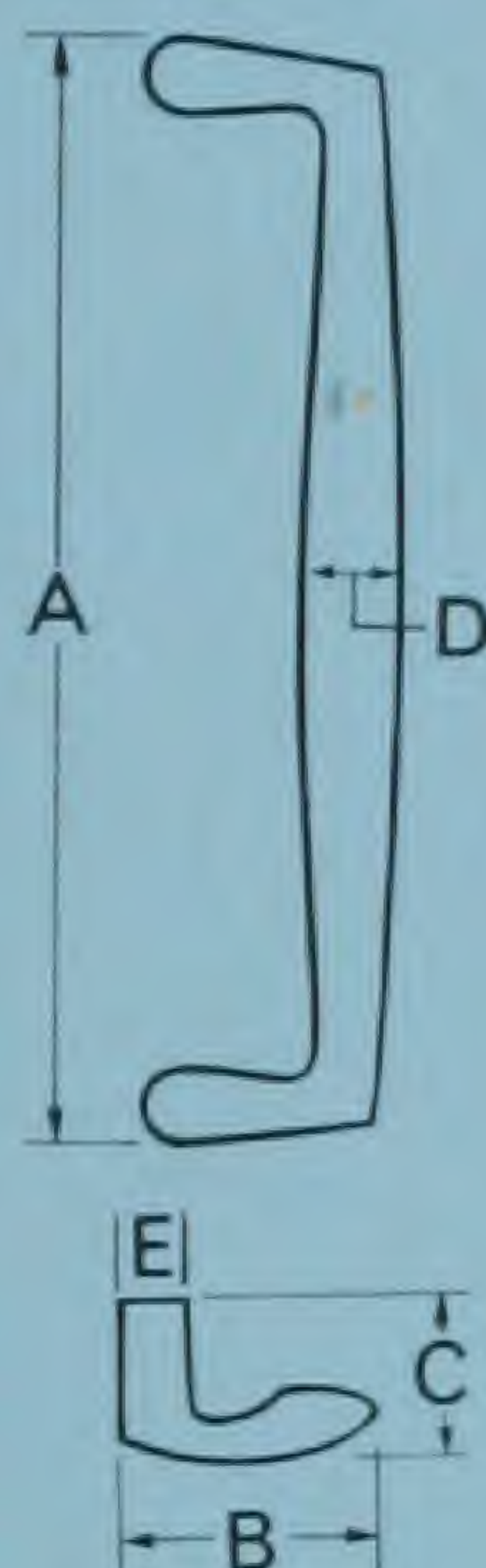


6604

GRIP HANDLES

		6"	9"	12"	15"	
6629	Real B.M.A.	34/-	44/-	60/-	—	each
	Satin C.P.	37/-	48/-	65/-	—	"
4654	Real B.M.A.	—	35/6	49/-	62/-	each
	Satin C.P.	—	42/6	58/-	73/-	"
6635	Real B.M.A.	..	6"	10/9	13/9	each
	Satin C.P.	..	12/-	15/6	15/6	"
6605	Real B.M.A.	..	9"	22/-	22/-	each
	Satin C.P.	..	9"	26/-	26/-	"

	A	B	C	D	E
6629	6"	2 $\frac{5}{8}$ "	2"	$\frac{1}{16}$ " \times $\frac{5}{8}$ "	$\frac{7}{8}$ "
	9"	2 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	1" \times $\frac{1}{16}$ "	$\frac{1}{16}$ "
	12"	3"	2 $\frac{1}{4}$ "	1 $\frac{1}{16}$ " \times $\frac{3}{4}$ "	1"
4654	9"	1 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	1 $\frac{1}{8}$ " \times $\frac{1}{2}$ "	1 $\frac{1}{4}$ "
	12"	2"	2"	1 $\frac{1}{8}$ " \times $\frac{1}{2}$ "	1 $\frac{1}{4}$ "
	15"	2 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	1 $\frac{1}{8}$ " \times $\frac{1}{2}$ "	1 $\frac{1}{2}$ "
6635	6"	1 $\frac{5}{8}$ "	1 $\frac{1}{4}$ "	$\frac{1}{16}$ " \times $\frac{1}{4}$ "	$\frac{7}{8}$ "
	7 $\frac{1}{4}$ "	1 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	$\frac{3}{4}$ " \times $\frac{5}{16}$ "	$\frac{7}{8}$ "
6605	9"	2 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	1" \times $\frac{5}{16}$ "	1 $\frac{1}{16}$ "



6629



4654



6635

Handles on this page are also available in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.

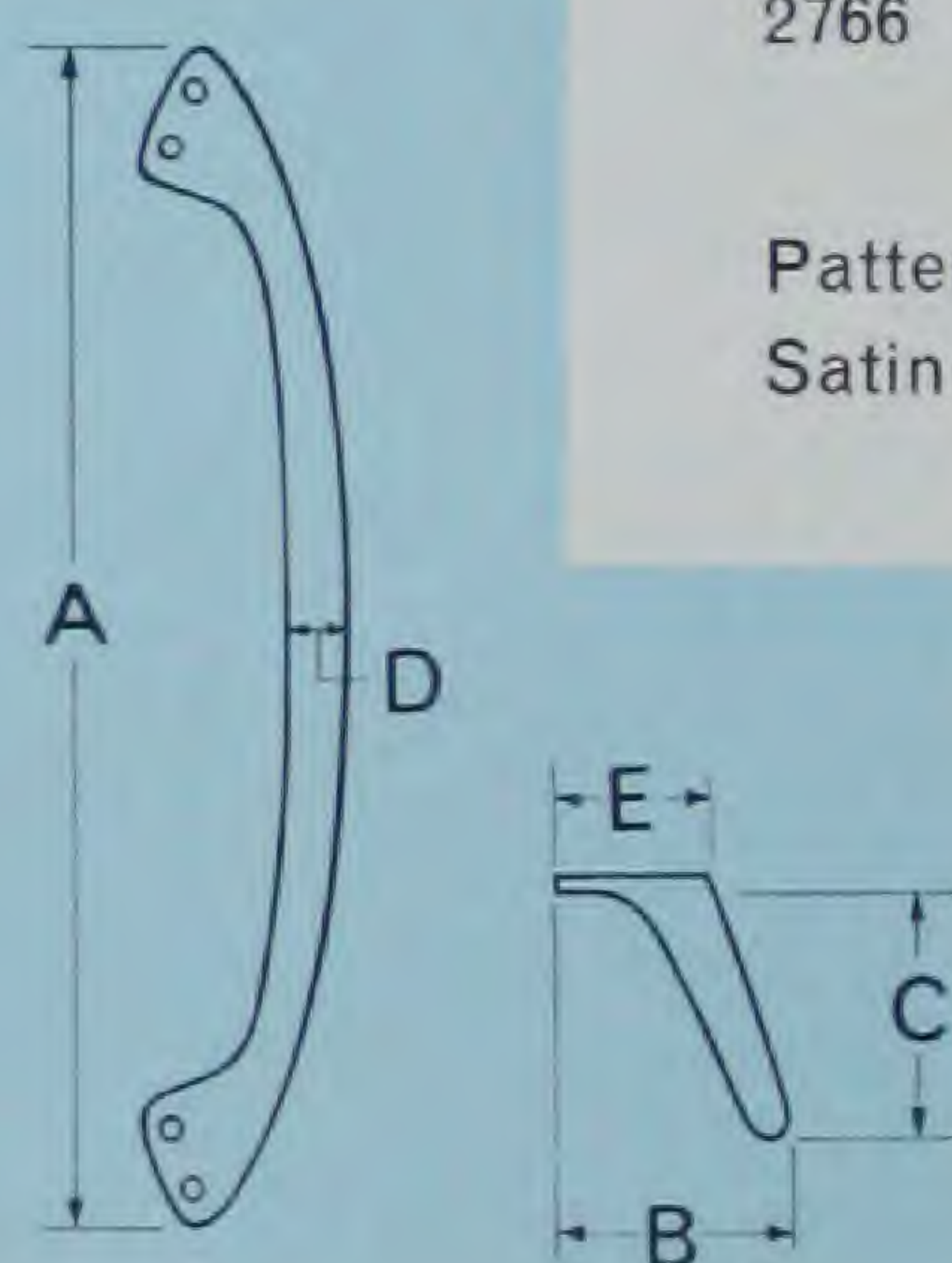
Prices include Machine Screws for 6629, which is back-fixing, and Wood Screws for all other patterns on this page.



6605



6636



GRIP HANDLES

6636	Real B.M.A.	..	..	12"	35/6 each
	Satin C.P.	..	..	12"	42/6 "
	Silver Anodised	..	..	12"	21/6 "
	Satin Silver Anodised	..	..	12"	22/6 "
6637	Real B.M.A.	..	..	9"	31/- each
	Satin C.P.	..	..	9"	33/6 "
	Silver Anodised	..	..	9"	23/- "
	Satin Silver Anodised	..	..	9"	25/- "
5401	Real B.M.A.	..	8"	16/- ; 10"	25/- each
	Polished C.P.	..	8"	17/6 ; 10"	28/6 "
2766	Real B.M.A.	..	9"	26/6 ; 11"	38/6 each

Prices include Wood Screws for fixing.

Patterns 6636 and 6637 are also available in Satin Bronze, Satin Brass, Polished C.P. or Satin Nickel Plated.

	A	B	C	D	E
6636	12"	2 $\frac{3}{8}$ "	2 $\frac{1}{2}$ "	$\frac{1}{2}$ " \times $\frac{13}{16}$ "	1 $\frac{3}{8}$ "
6637	9"	2 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "	$\frac{3}{4}$ " \times $\frac{5}{8}$ "	1"
5401	8"	1 $\frac{5}{8}$ "	1 $\frac{3}{4}$ "	$\frac{3}{4}$ " \times $\frac{3}{8}$ "	1 $\frac{1}{8}$ "
	10"	1 $\frac{5}{8}$ "	2"	$\frac{7}{8}$ " \times $\frac{9}{16}$ "	1 $\frac{3}{16}$ "
2766	9"	1 $\frac{7}{8}$ "	2 $\frac{1}{2}$ "	$\frac{3}{4}$ "	1 $\frac{5}{16}$ "
	11"	1 $\frac{3}{4}$ "	2 $\frac{3}{4}$ "	1"	1 $\frac{3}{4}$ "



6637



5401



2766

GRIP HANDLES

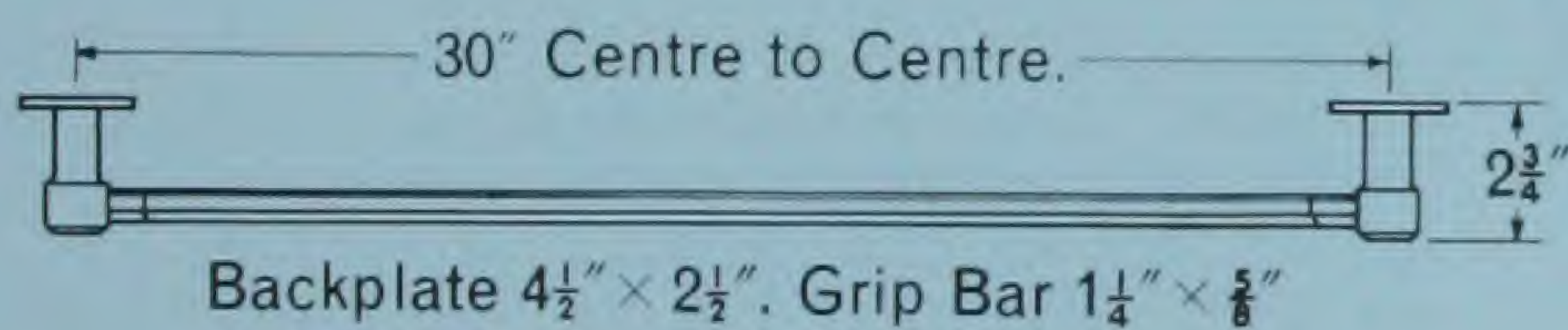
Cross Bar Type

6630	30"	B.M.A. finish on	
		Bronze	.. 208/- each
		Satin C.P.	.. 208/- "
6610	36"	B.M.A. finish on	
		Bronze	.. 108/- each
		Satin C.P.	.. 108/- "
5430	27½"	Real B.M.A.	.. 89/- each
		Satin C.P.	.. 98/- "

Prices include Wood Screws for fixing.



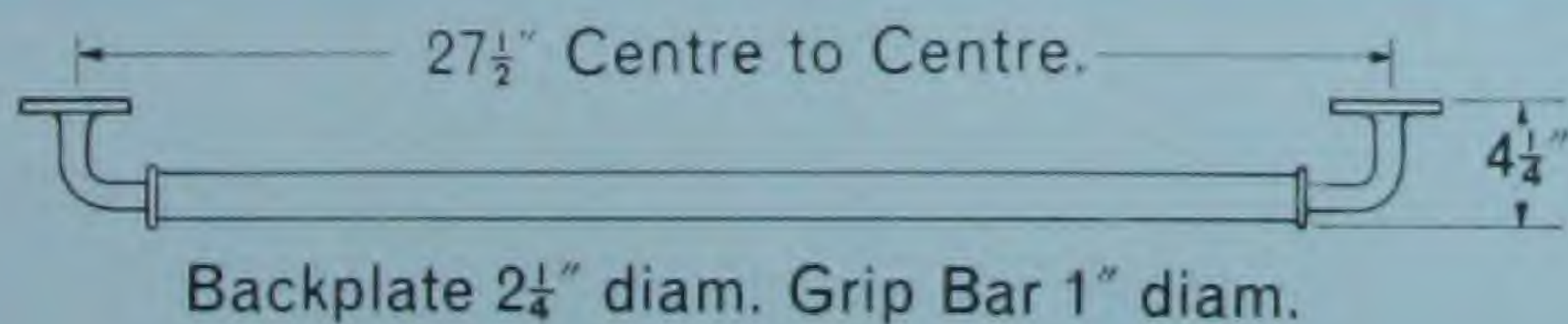
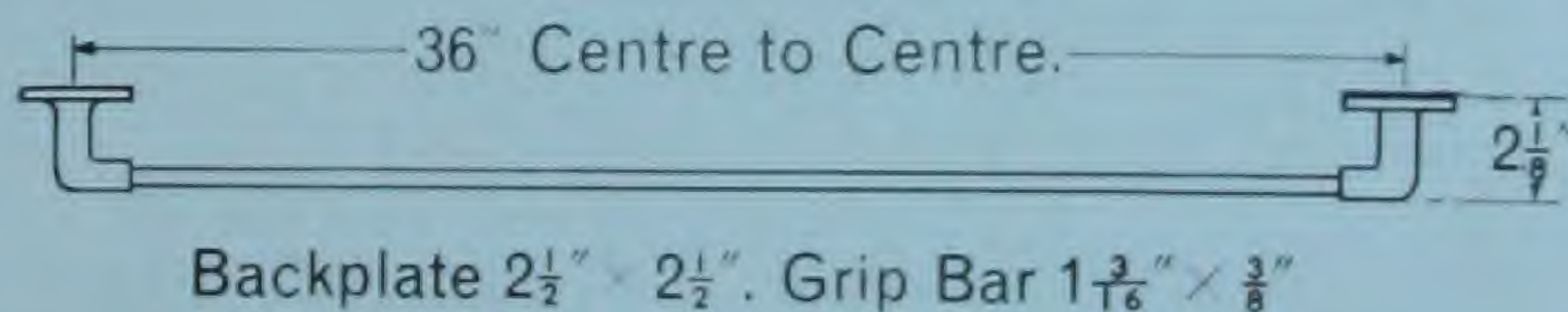
6630



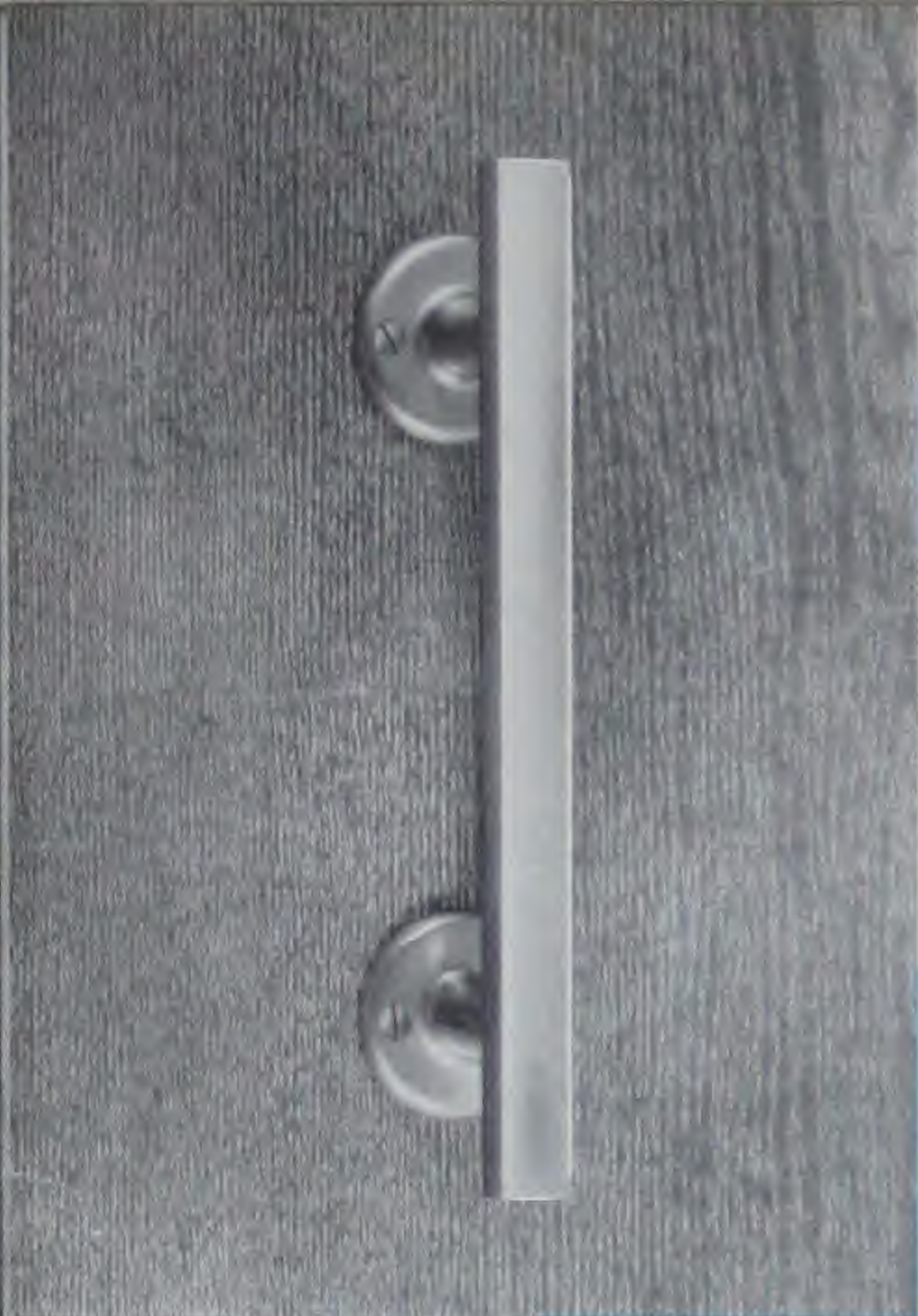
Handles on this page can be made to suit any width of door.



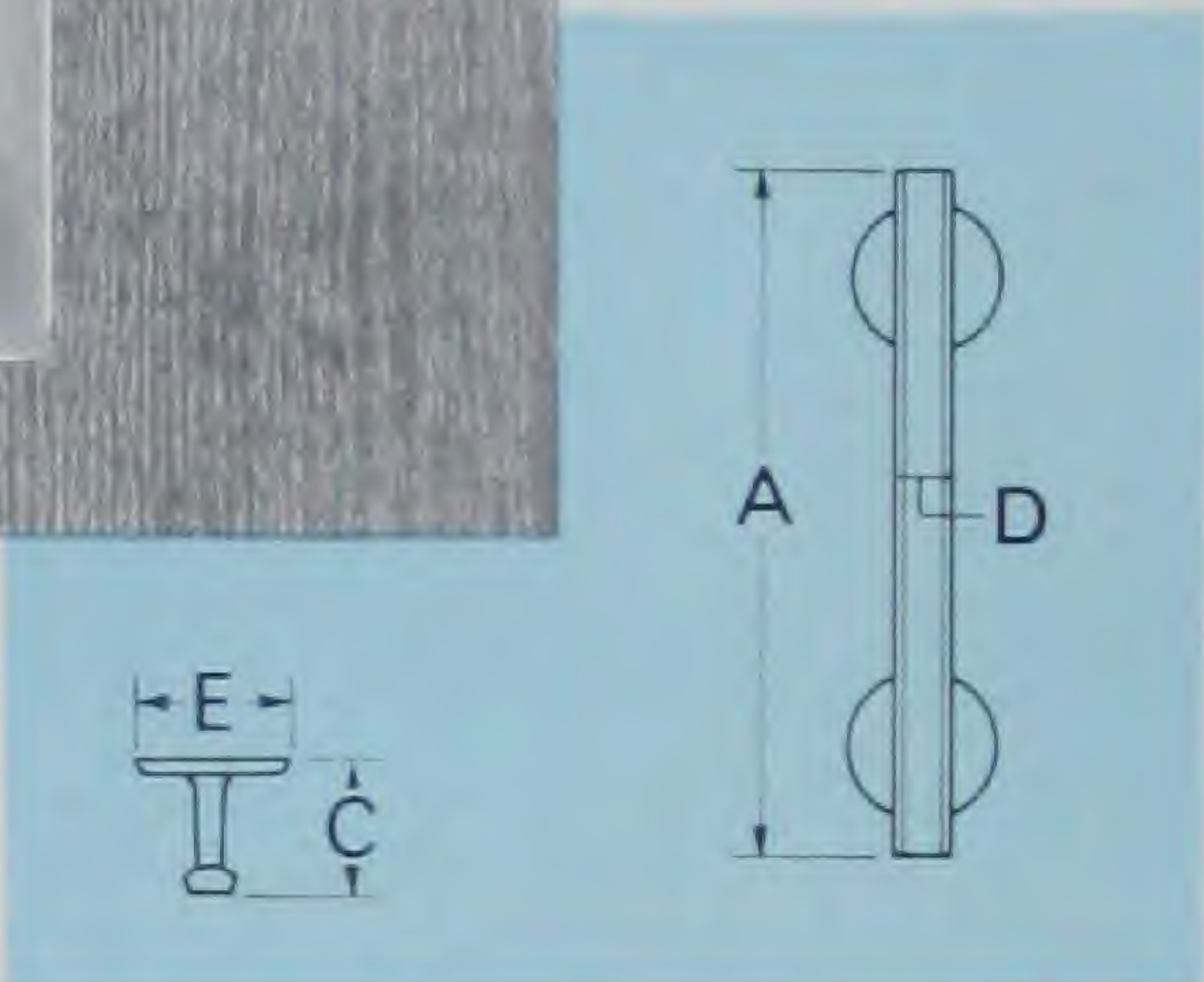
6610



5430



3321

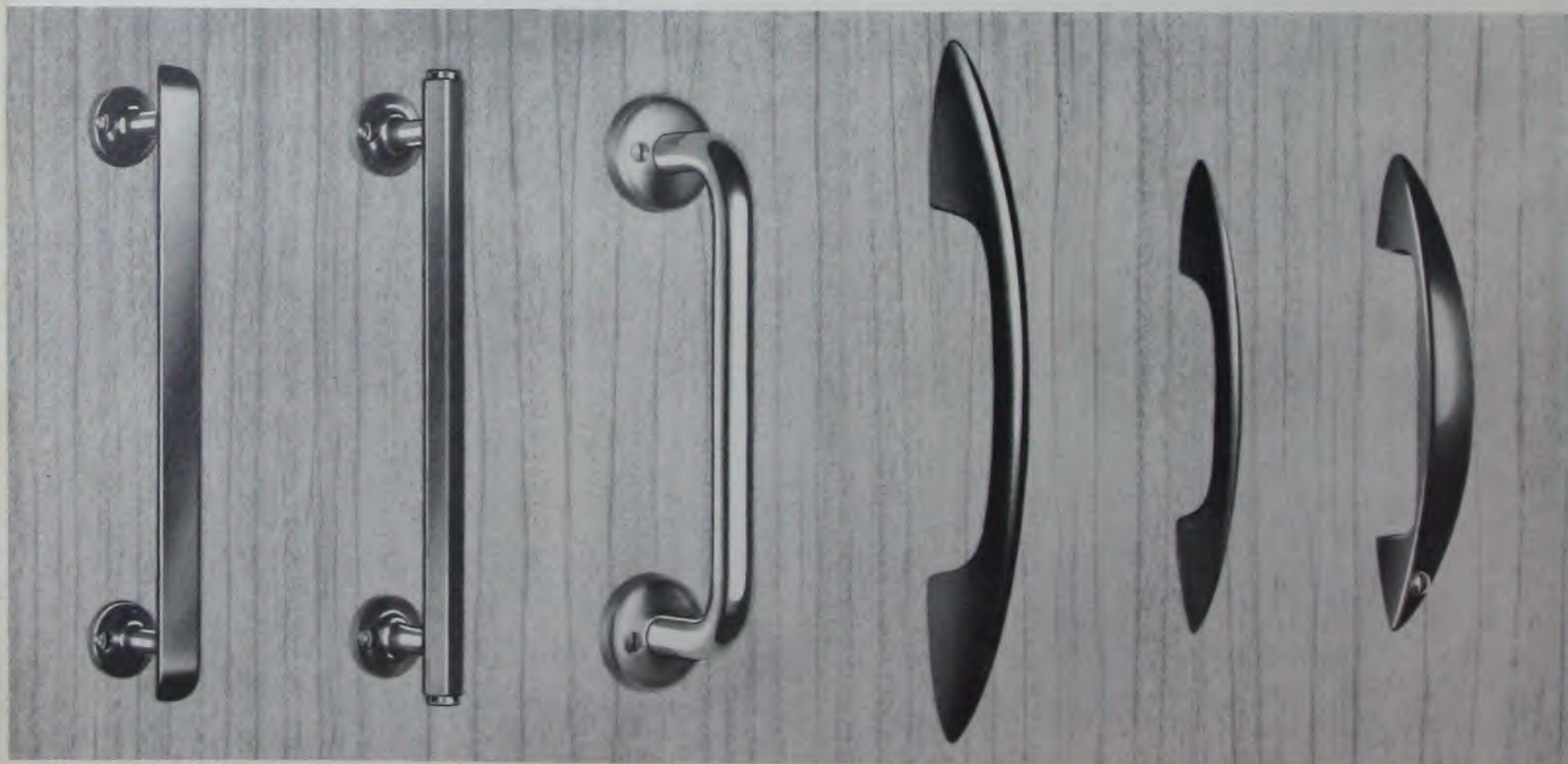


Prices include Machine Screws for back fixing for patterns 2781, 5439, 2779 and 5437, and Wood Screws for all other patterns. Handle 2402 has patent concealed fixing at the top.

GRIP HANDLES

				6"	8"
3321	Silver Anodised	..	..	—	8/3 each
3325	} B.M.A. on Brass	..	..	9/9	10/9 "
5400		..	..	10/3	11/3 "
3315	Silver Anodised	..	..	7 1/2"	6/3 each
2781	Silver Anodised	..	..	10"	6/9 "
	Satin Silver Anodised	..	..	10"	7/- "
5439	Real B.M.A.	..	..	9"	17/- "
	Satin C.P.	..	..	9"	18/6 "
2779	Silver Anodised	..	..	6"	2/8 "
	Satin Silver Anodised	..	..	6"	2/9 "
5437	} Real B.M.A.	..	..	6"	9/3 "
2402		..	..	6"	10/3 "

	3321	3325		5400		3315	2781	5439	2779	5437	2402
A	8"	6"	8"	6"	8"	7½"	10"	9"	6"	6"	6"
C	2"	1⅝"	1⅝"	1½"	1½"	2"	2"	1⅝"	1⅞"	1⅜"	1½"
D	1⅙" × ½"	⅝"	⅝"	½"	½"	½"	½"	⅞"	½"	⅝"	¾"
E	1¾"	1"	1"	1"	1"	1½"	1⅜"	⅞"	¾"	⅞"	½"



3325

5400

3315

2781 & 5439

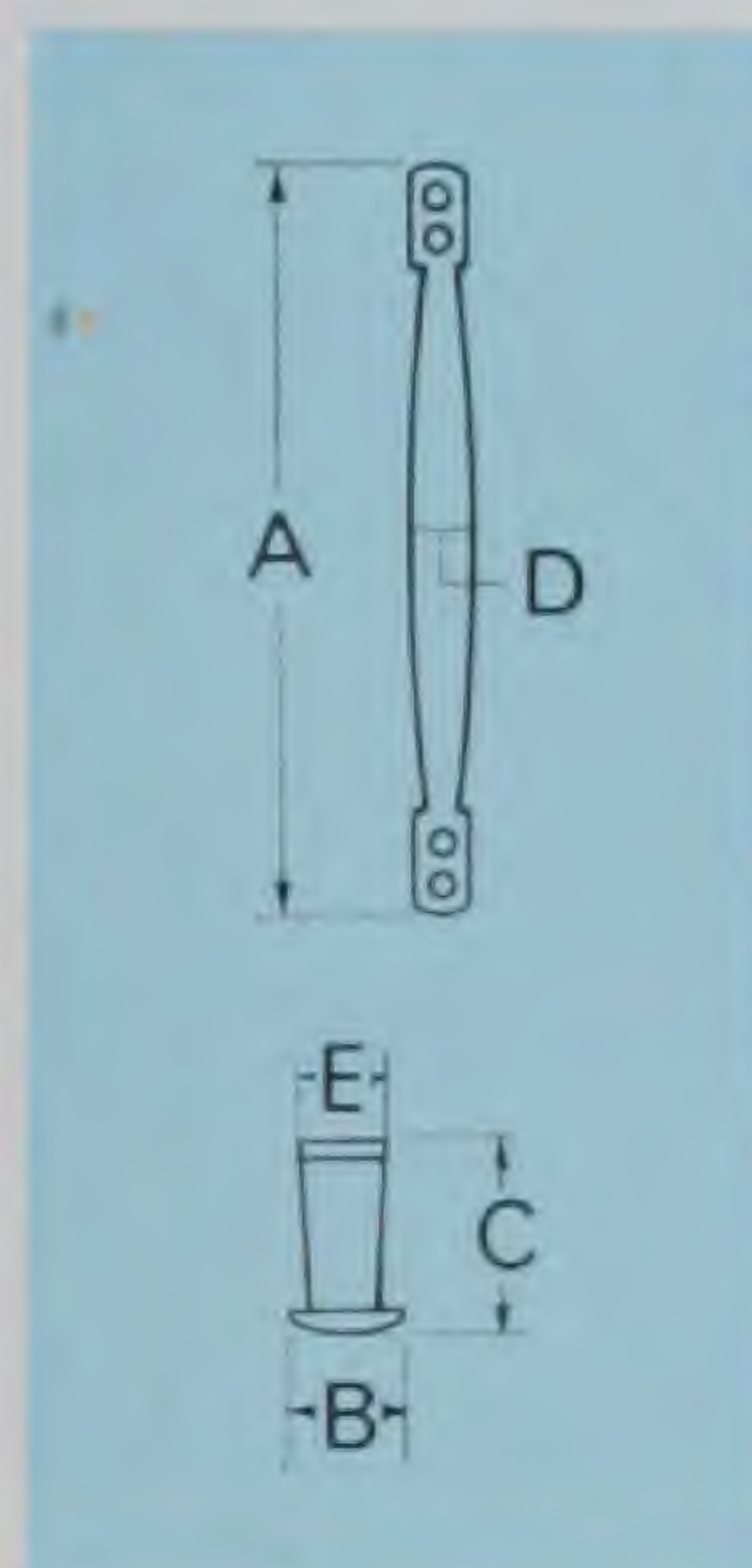
2779 & 5437

2402

GRIP HANDLES

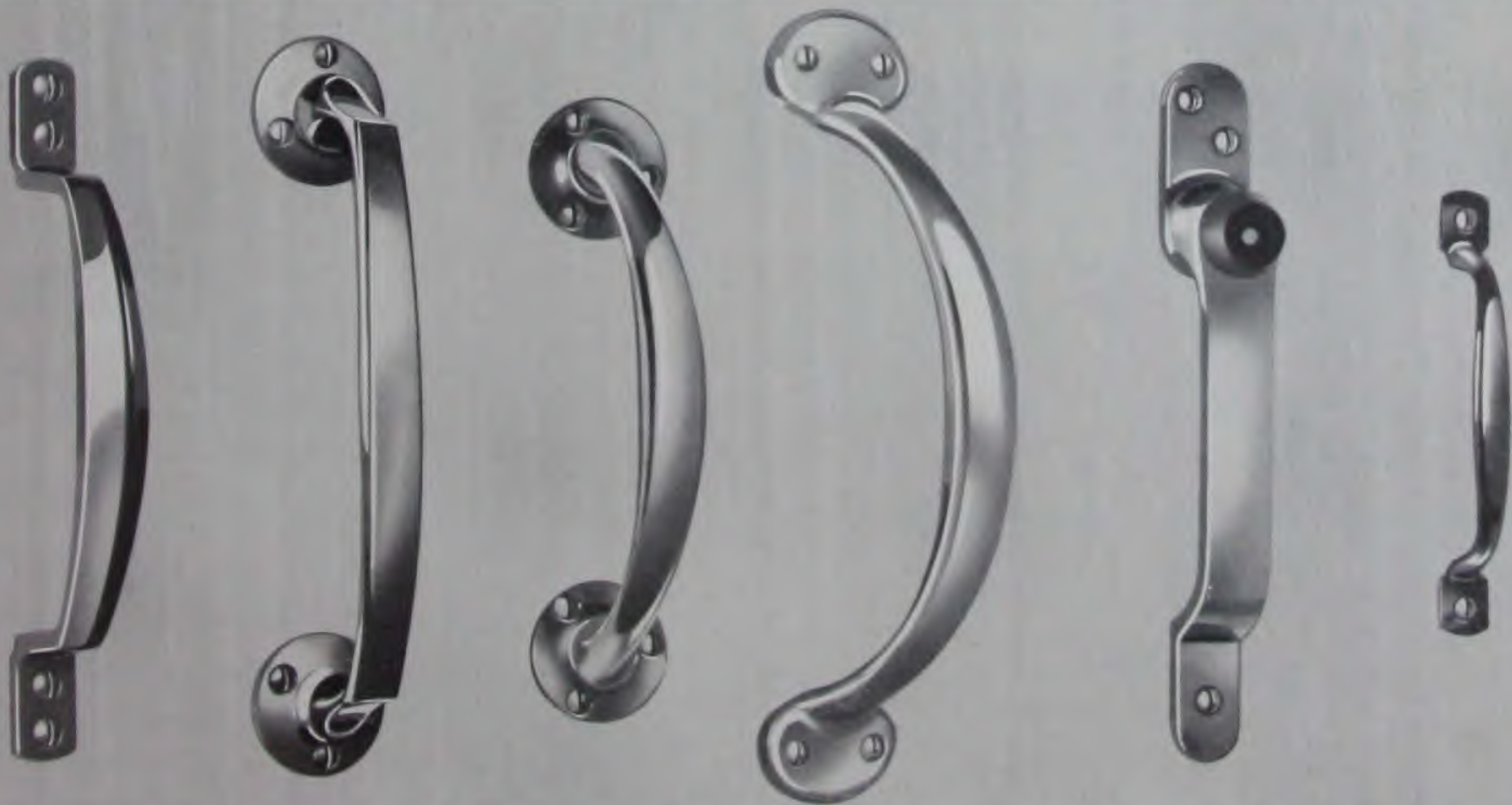
2776	Real B.M.A.	7"	8/9 each
	Satin C.P.	7"	10/6 "
2773	B.M.A. on Brass	7"	7/- "
	Polished C.P.	7"	8/9 "
3336	Real B.M.A.	7"	15/3 "
	Polished C.P.	7"	16/3 "
2403	B.M.A. on Diecast Alloy	6" 2/9; 7 1/4"	4/3 "
2409	Polished Brass	6"	7/- "
	Real B.M.A.	6"	8/- "
	Polished C.P.	6"	8/9 "
3314	Silver Anodised	7 1/2"	4/- "
6631	With Rubber Buffer—Real B.M.A.	6 3/4"	16/- "
	Satin or Polished C.P.	6 3/4"	18/6 "
2789	B.M.A. on Brass	4 1/4"	2/6 "
	Polished C.P.	4 1/4"	3/3 "

	2776	2773	3336	2403	2409	3314	6631	2789
A	7"	7"	7"	6" 7 1/4"	6"	7 1/2"	6 3/4"	4 1/4"
B	1"	—	—	1 3/4" 2"	1 3/8"	2"	—	—
C	1 3/8"	1 3/8"	1 3/4"	1 1/2" 1 5/16"	1 1/2"	1 5/8"	1 1/2"	1"
D	3/4"	3/4"	5/8"	5/8" 3/4"	5/8"	3/4"	5/8"	3/8"
E	3/4"	3/4"	1 3/8"	1 3/8" 1 5/8"	1 3/8"	1 1/2"	7/8"	1/2"

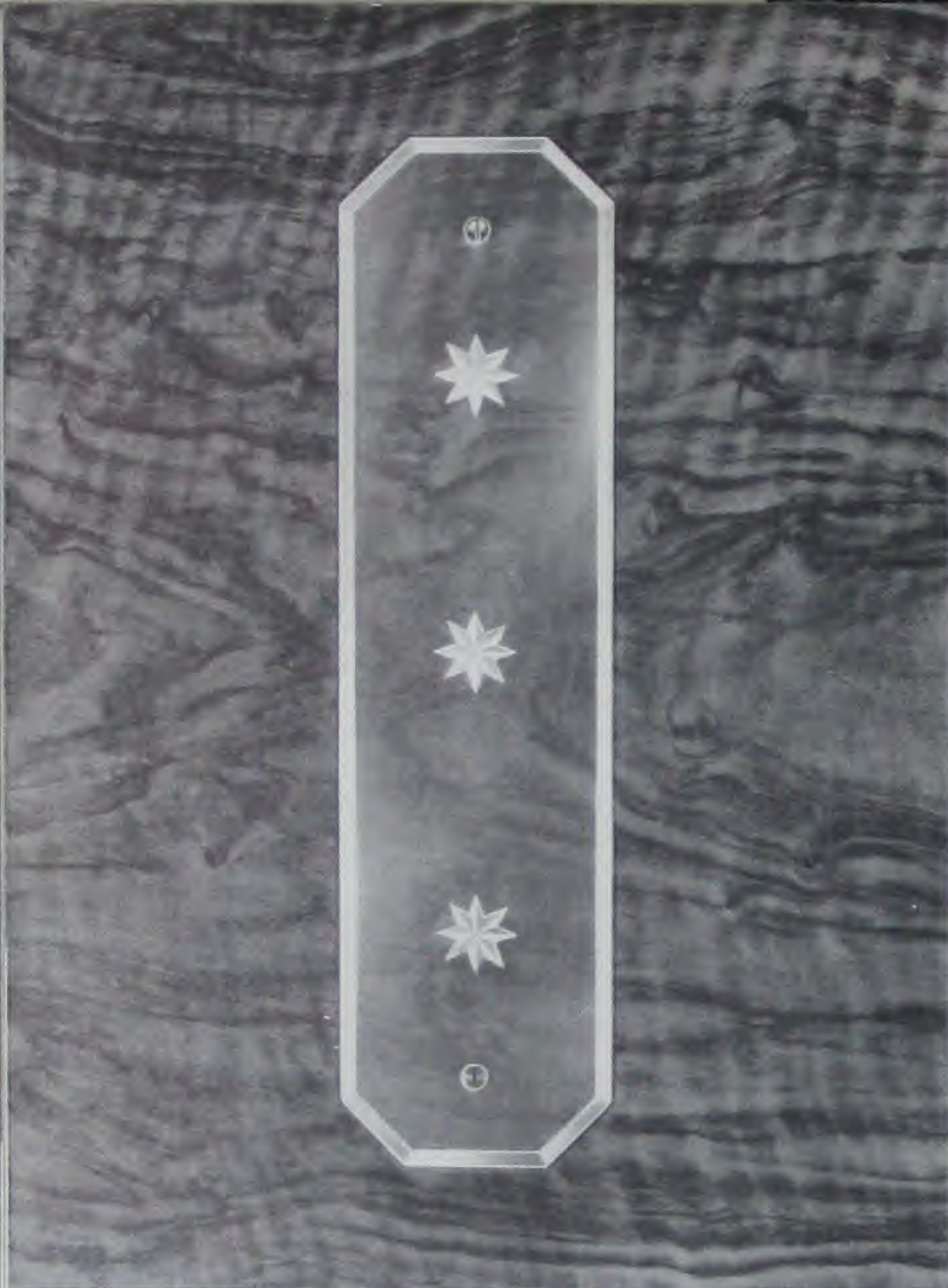


2776

Prices include Wood Screws for fixing.



2773 3336 2403 & 2409 3314 6631 2789

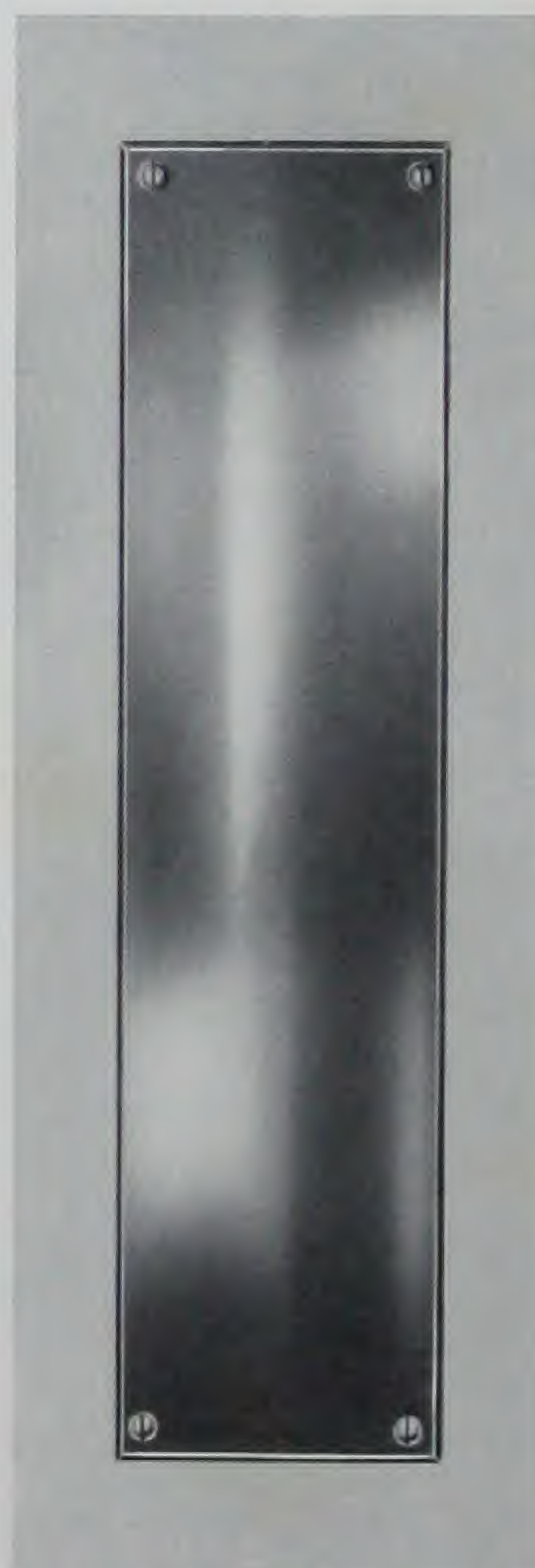


3868

2621 is also available in Satin Bronze, Satin Brass and Satin Nickel Plated, and can be supplied engraved "Push" with Enamelled Lettering.

FINGER PLATES

3868	11" x 3" Clear Engraved Perspex	..	5/6 each
2621	12" x 3" Real B.M.A.	..	9/3 "
	Satin or Polished C.P.	..	11/6 "
2623	12" x 3" Silver Anodised	..	3/3 "
	Satin Silver Anodised	..	3/3 "
3869	11" x 3" Clear Engraved Perspex	..	7/- "



2621 & 2623



3869

KICKING PLATES

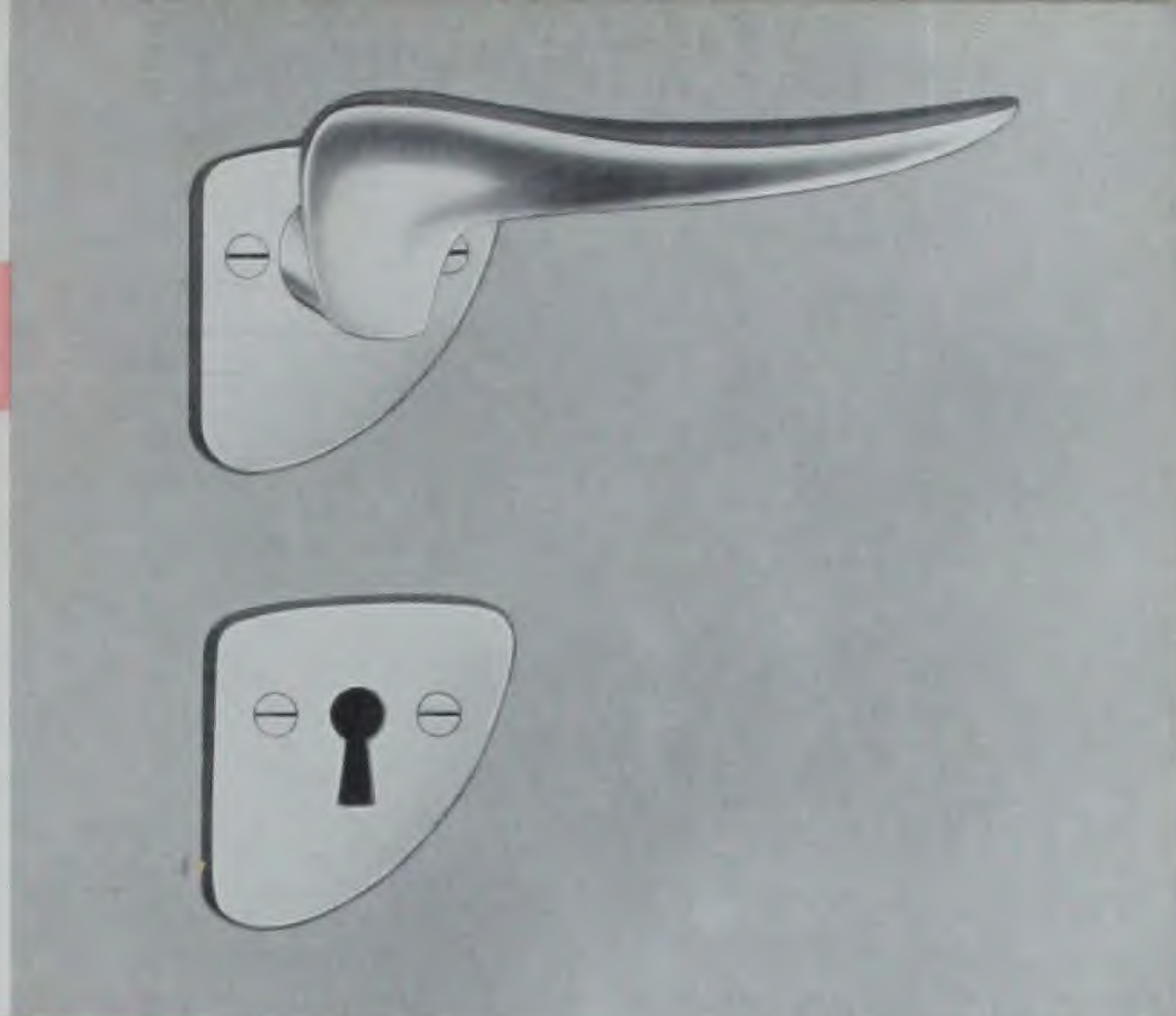


Kicking Plates are supplied to any size or shape, and are available in finishes to match other Door Furniture. Prices on application.

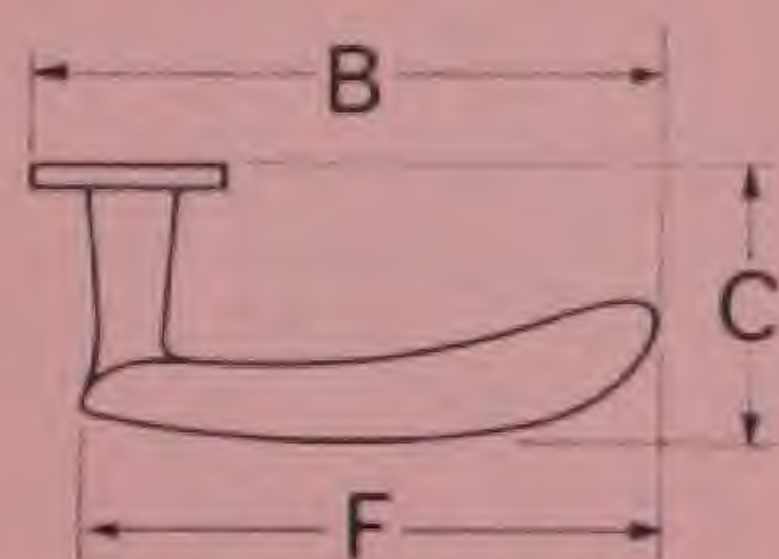
LEVER FURNITURE

"OGRO" INTERCHANGEABILITY

The Lever Handles on this page and on pages 42 and 43 can be supplied with any of the Backplates shown. The first part of the article number refers to the Handle and the second part to the Backplate, e.g. Handle 7022 with Backplate 7093 would be 7022/7093.



	A	B	C	F
7013/7092	2 ³ / ₈ " x 2 ¹ / ₈ "	5 ¹ / ₂ "	2 ¹ / ₂ "	4 ⁷ / ₈ "
7071	2 ³ / ₈ " x 2 ¹ / ₈ "	—	—	—
7022/7095	6 ⁷ / ₈ " x 1 ⁹ / ₁₆ "	5 ¹ / ₄ "	3"	4 ³ / ₄ "
7018/7093	6 ¹ / ₁₆ " x 1 ⁹ / ₁₆ "	5 ³ / ₈ "	2 ⁷ / ₈ "	4 ⁷ / ₈ "
7019/7097	6 ⁷ / ₈ " x 1 ³ / ₄ "	5 ¹ / ₄ "	3"	4 ⁷ / ₈ "

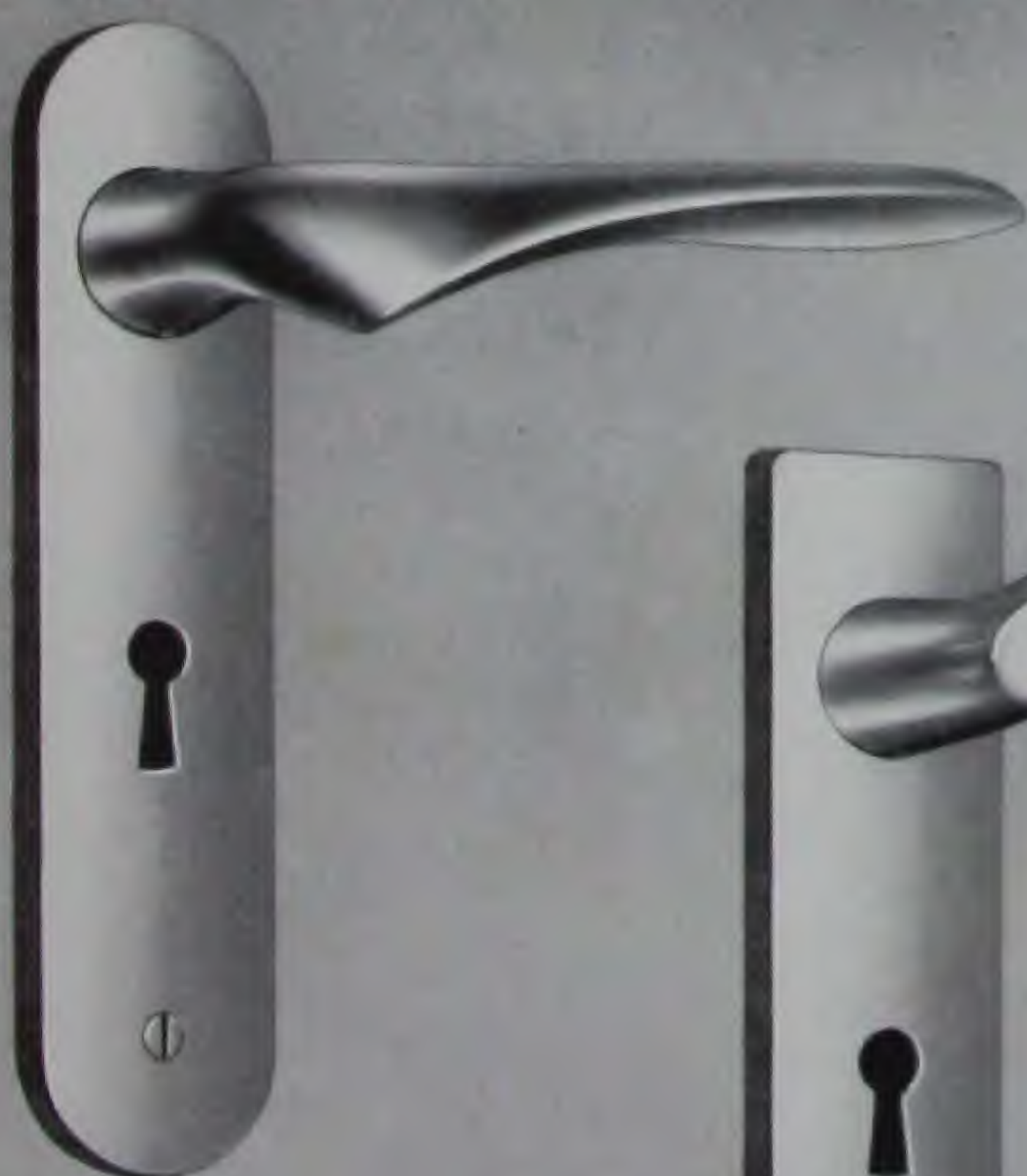


A = Size of Backplate

7013/7092 & 7071 Escutcheon

	Finish: Satin Silver	Gold
7013/7092	.. 31/3 ..	.. 36/- set
7071	.. 6/9 ..	.. 7/9 pair
7022/7095	.. 27/9 ..	.. 32/- set
7018/7093	.. 27/9 ..	.. 32/- "
7019/7097	.. 29/9 ..	.. 34/- "

"Ogro" Lever Furniture, shown on pages 41 to 43, is made from a special non-corrosive light metal alloy and will retain its lustre even after long use. This furniture is unsprung and is fitted with special "Ogro" Spindles. It requires Locks and Latches of suitable design, as indicated on pages 118 and 121. Backplates are fitted with nylon bush, which provides easy action and is wear-resisting.

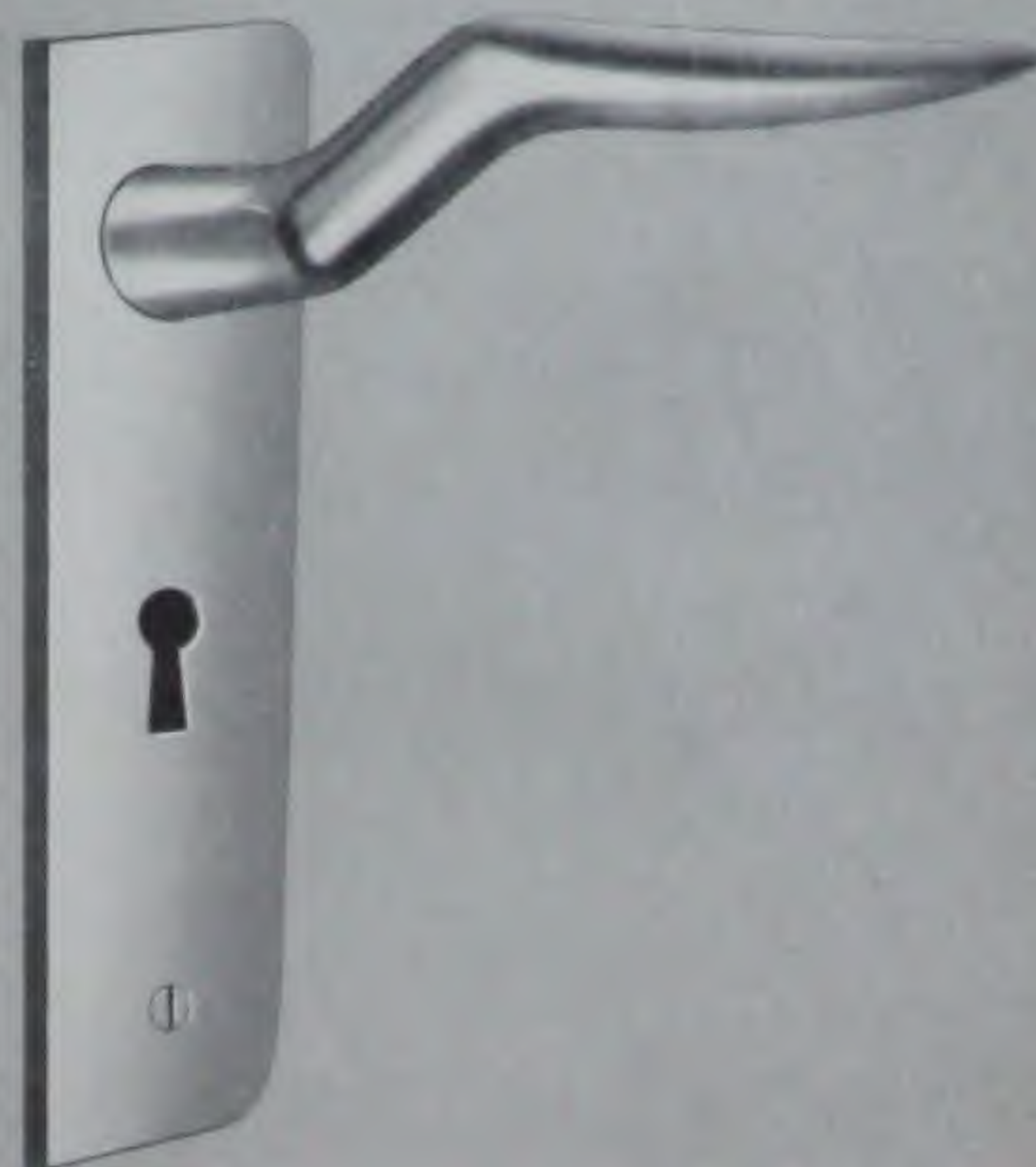


7022/7095

Long Backplates have press-in taper pin fixing at top, screw-fixing at bottom. Prices include Wood Screws.



7018/7093



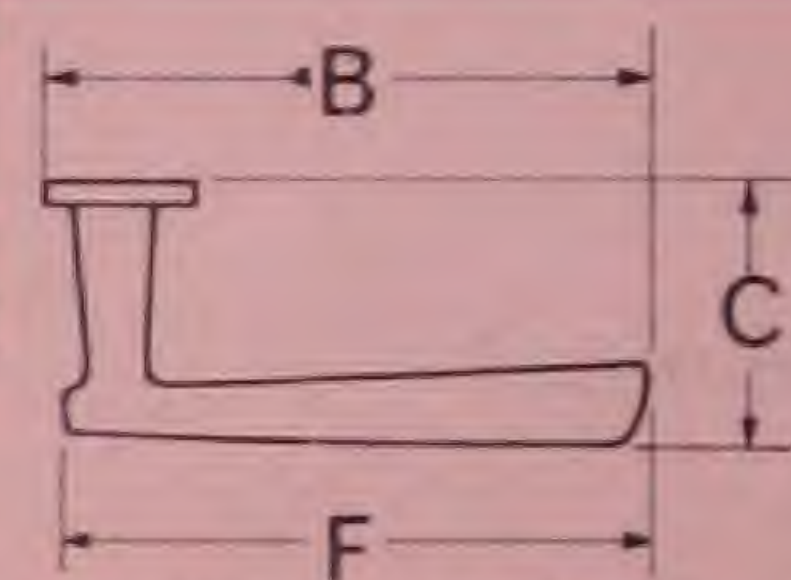
7019/7097

OGRO

LEVER FURNITURE

	Finish:	Satin Silver	Gold	
7021/7097	25/3	29/-	set
7050/7095	24/6	28/-	"
7014/7090	16/9	19/3	"
7051/7090	26/6	30/3	"
7052/7093	18/-	20/9	"

Long Backplates have press-in taper pin fixing at top, screw fixing at bottom. Prices include Wood Screws.

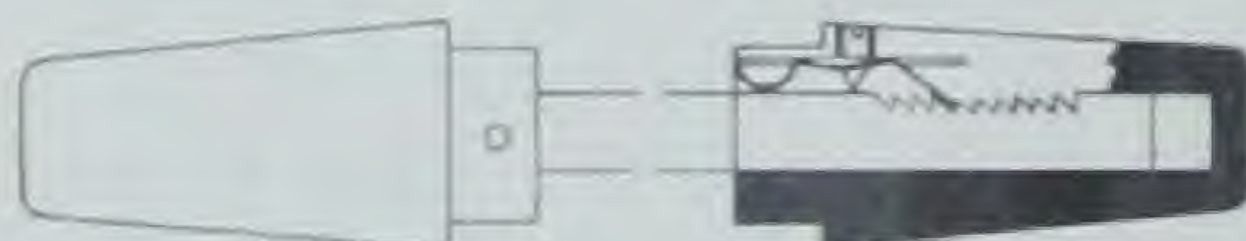


A = Size of Backplate

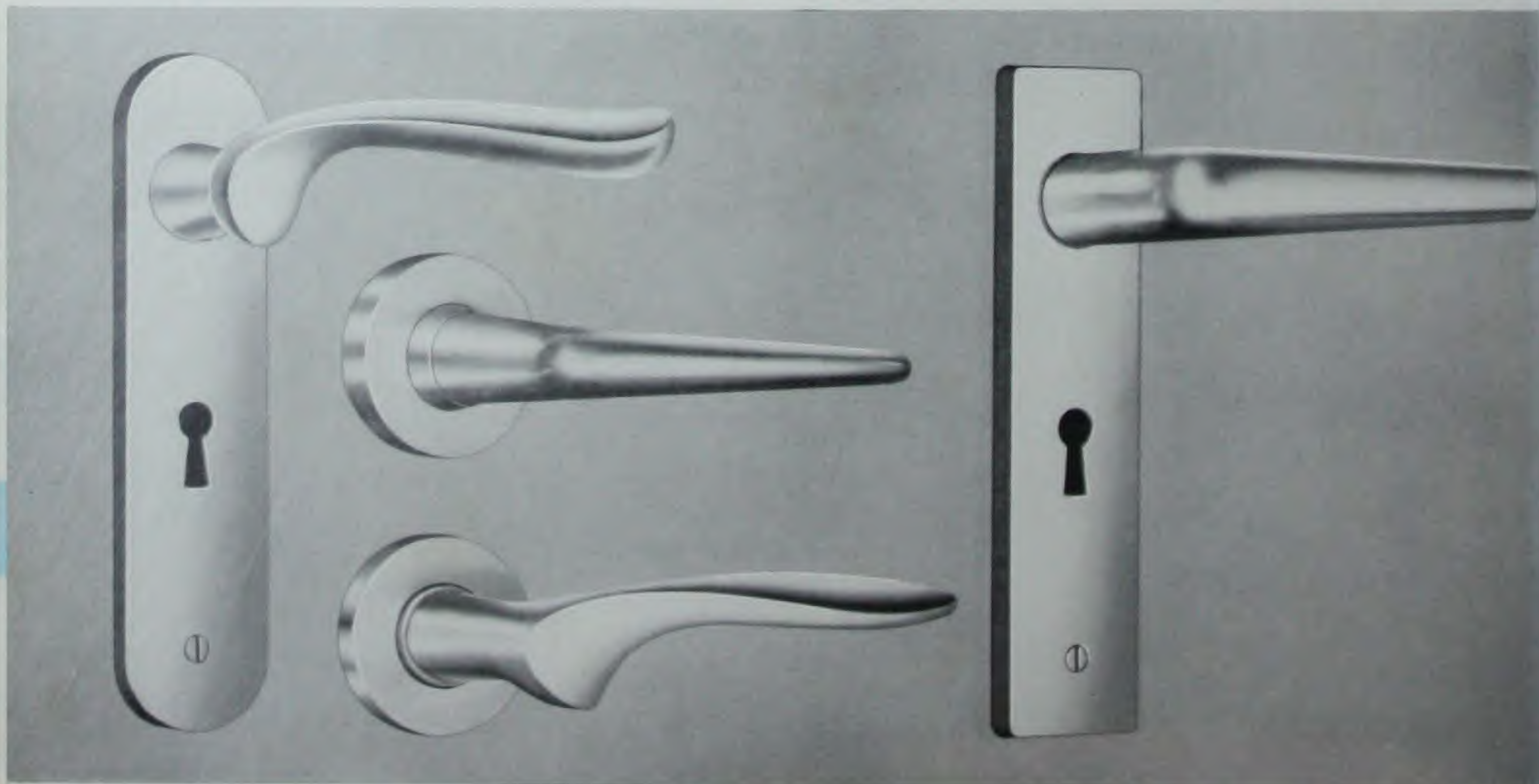
	A	B	C	F
7021/7097	6 $\frac{7}{8}$ " x 1 $\frac{3}{4}$ "	5 $\frac{1}{8}$ "	3 $\frac{1}{16}$ "	4 $\frac{7}{8}$ "
7050/7095	6 $\frac{7}{8}$ " x 1 $\frac{9}{16}$ "	5 $\frac{1}{8}$ "	2 $\frac{7}{8}$ "	4 $\frac{3}{4}$ "
7014/7090	2"	4 $\frac{7}{8}$ "	2 $\frac{5}{8}$ "	4 $\frac{5}{16}$ "
7051/7090	2"	5 $\frac{5}{8}$ "	2 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "
7052/7093	6 $\frac{11}{16}$ " x 1 $\frac{9}{16}$ "	5 $\frac{1}{8}$ "	2 $\frac{3}{8}$ "	4 $\frac{1}{2}$ "

7021/7097

Patterns 7014/7090 and 7051/7090 have concealed screw fixing. Matching Escutcheon is 7047, page 43.



THE "OGRO" SPINDLE (as fitted to all Handles on pages 41 to 43). The Lever Handle on one side of the door is pinned to the spindle. On the other side it is pushed into position and held with a locking spring, thus adjusting itself automatically to the door thickness.



7050/7095

7014/7090 (Top) & 7051/7090 (Bottom)

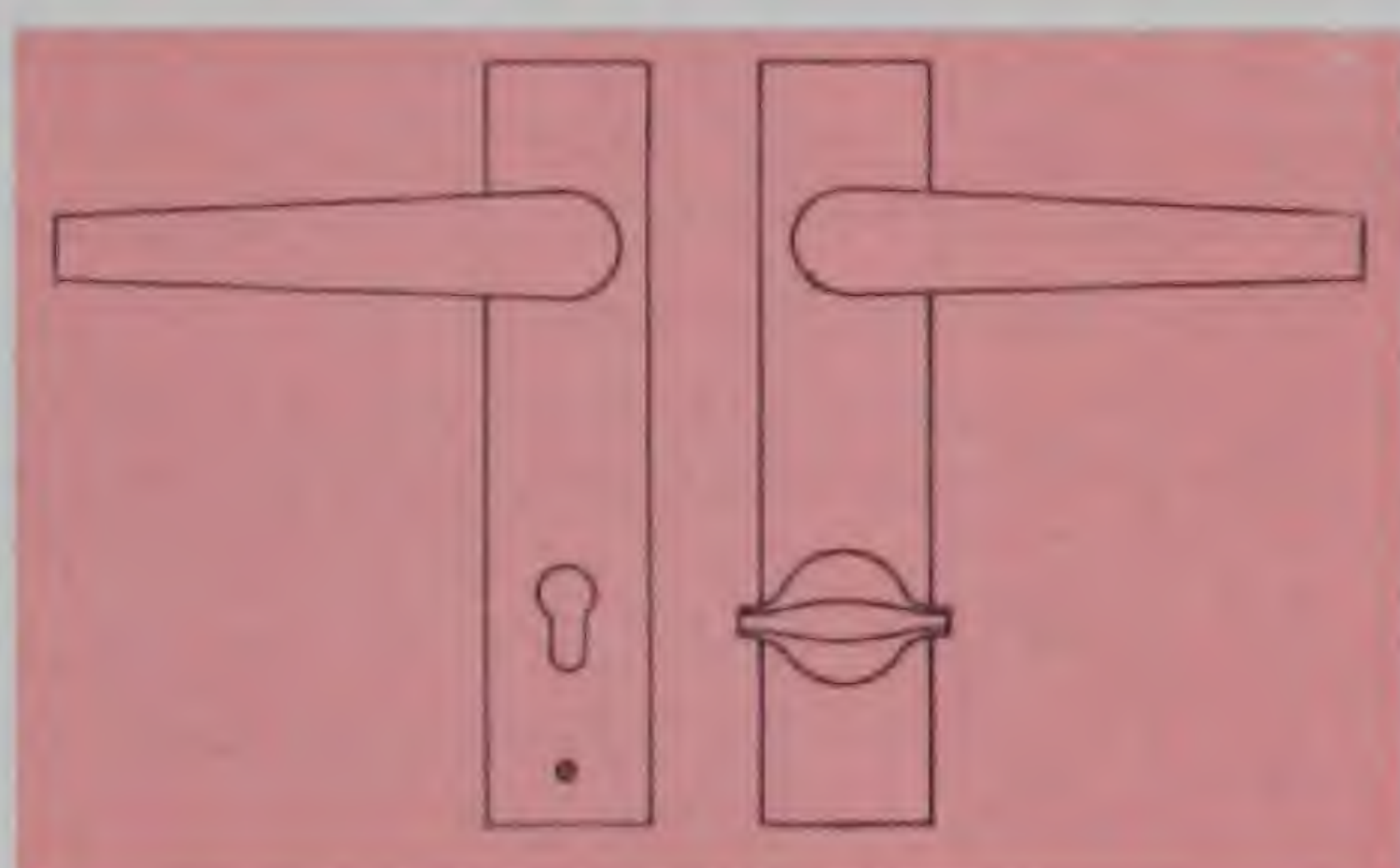
7052/7093

LEVER FURNITURE

Finish: Satin Silver

7078/7096	Lever Furniture	..	..	..	14/9	set
7079/7098	"	"	..	..	7/9	each
7079/7099	"	"	..	..	13/-	"
7079/7094	"	"	..	..	15/3	set
7044/7091	"	"	..	..	8/9	"
7045	Escutcheon 1 7/8" diameter	..	..	..	2/9	pair
7046/7090	Lever Furniture	..	..	..	15/9	set
7047	Escutcheon 2" diameter	..	..	..	6/6	pair

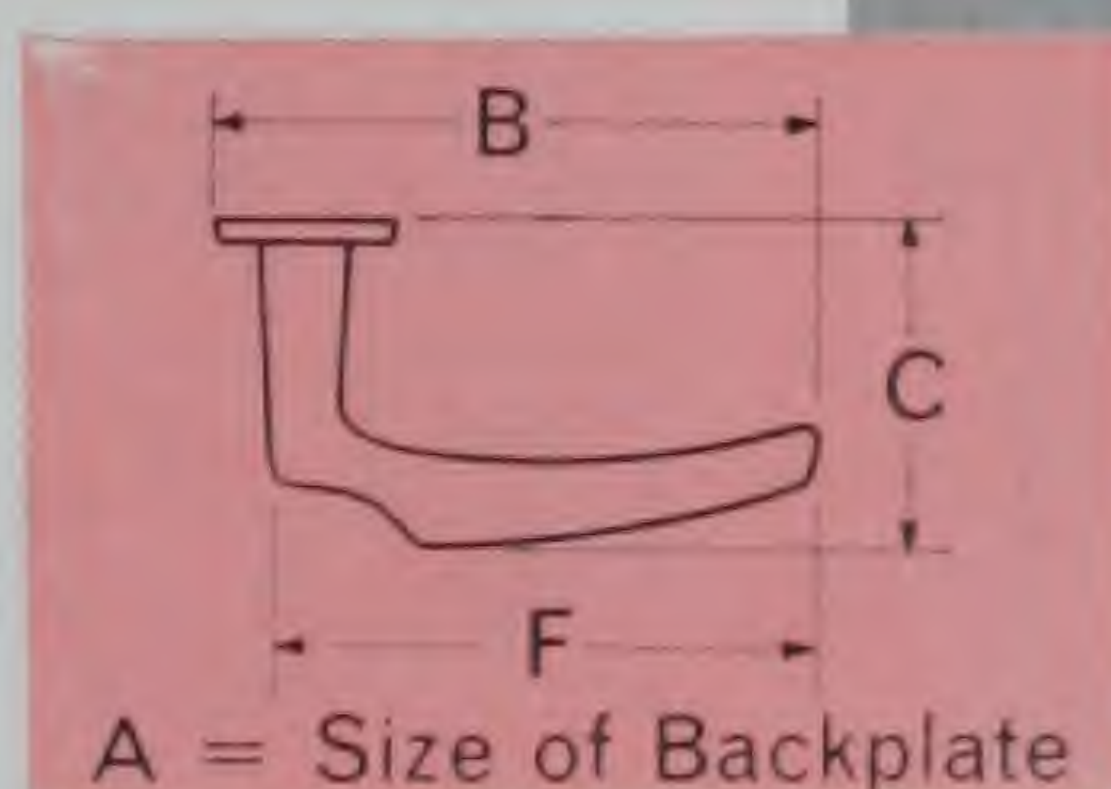
Long Backplates have press-in taper pin fixing at top, screw-fixing at bottom. Prices include necessary Wood Screws.



7079/7098
With cylinder
aperture.

7079/7099
With inside
locking turn.

For use with Cylinder Mortice Lock.
(See page 126.)



A = Size of Backplate

7078/7096

	A	B	C	F
7078/7096	5 7/8" x 1 5/8"	4 7/8"	2 5/8"	4 1/2"
7079/7094	5 7/8" x 1 3/8"	4 5/8"	2 5/16"	4 5/16"
7079/7098	5 7/8" x 1 3/8"	4 5/8"	2 5/16"	4 5/16"
7079/7099	5 7/8" x 1 3/8"	4 5/8"	2 5/16"	4 5/16"
7044/7091	1 7/8"	4 7/8"	2 1/4"	4 5/16"
7046/7090	2"	5"	2 5/8"	4 5/16"

Handle 7046/7090 and
Escutcheon 7047 have
concealed screw-fixing.



7079/7094



7044/7091



7045



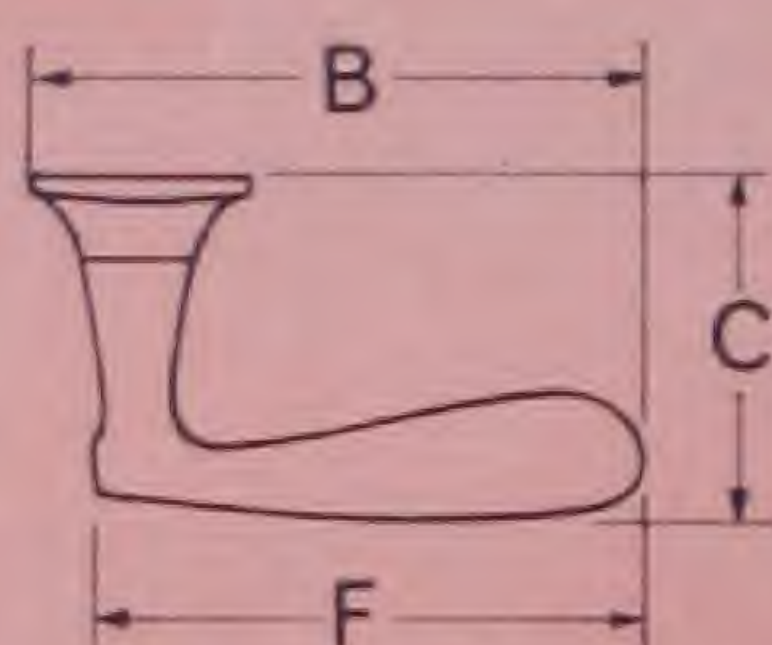
7046/7090



7047



7054



A = Size of Backplate

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES

			Satin C.P.		Satin Nickel Bronze	
7054	..	..	46/-	..	48/-	set
7053	..	..	48/6	..	51/6	„
7056	..	..	46/-	..	48/-	„
7080	..	..	51/6	..	54/6	„
7085	..	..	48/6	..	51/6	„

Prices include Wood Screws for fixing.

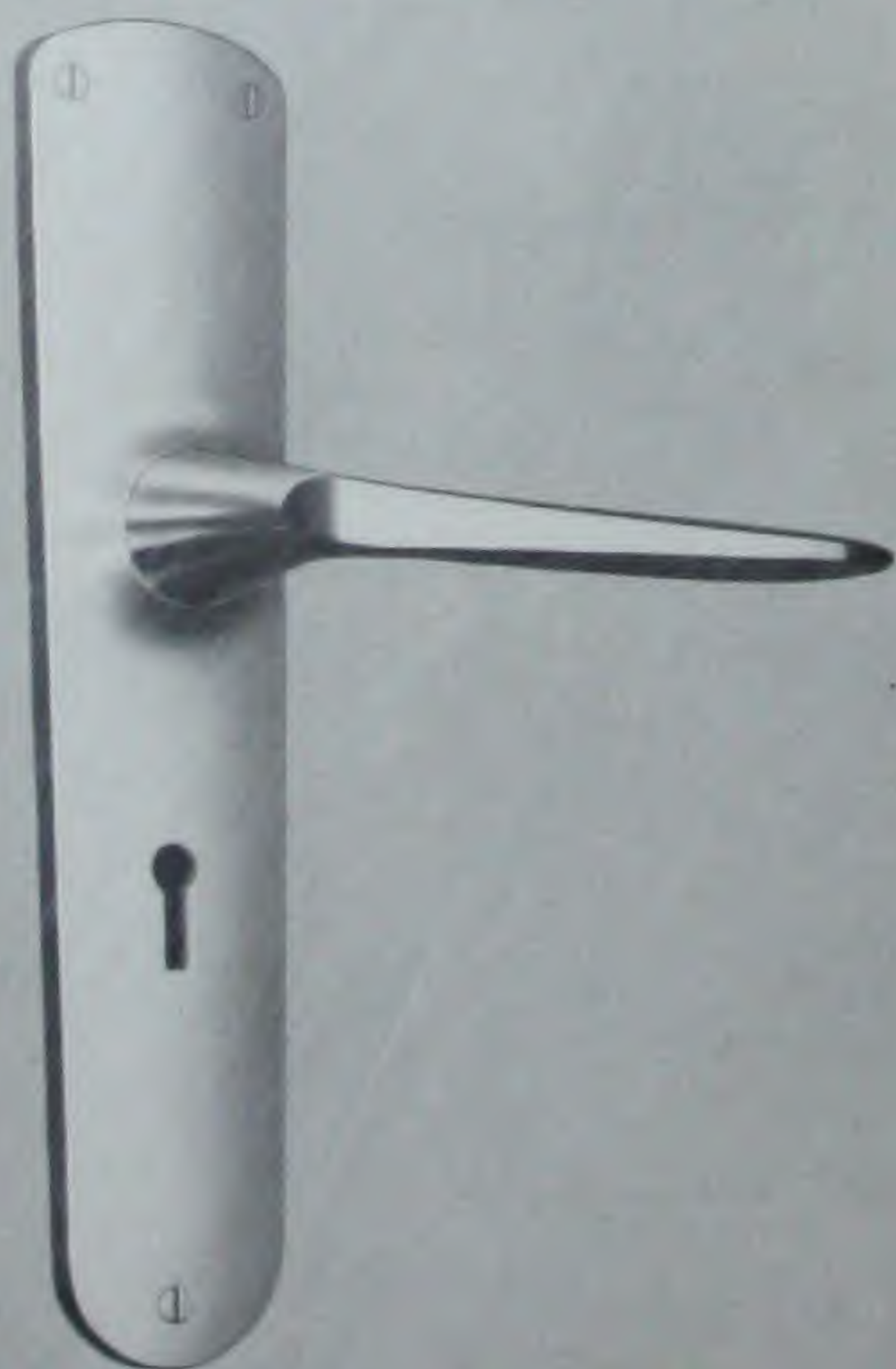
Handle 7080 has Concealed screw fixing.

Escutcheon 7087 suitable for use with 7080 Furniture, see page 45.

	A	B	C	F
7054	8½" × 2"	5⅜"	2⅝"	4⅝"
7053	9" × 1⅞"	5⅝"	3"	4¼"
7056	8½" × 2"	5"	2⅞"	4¼"
7080	2⅛"	5½"	3⅛"	4⅞"
7085	6" × 1⅞"	5¼"	3"	4½"

Lever Furniture on this page is also available in Satin Brass, Satin Bronze or Satin Nickel Plated.

If preferred, the Lever Handles can be supplied in combination with any of the other Backplates shown on this page.



7053



7056



7080 (Top) 7085 (Bottom)

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES*

	Real B.M.A.	Satin C.P. or Satin Nickel Bronze	Silver Anodised
7060 43/- 48/6 — set			
7062* 29/9 30/9 — "			
7068* 48/6 53/6 — "			
7000 35/- 39/6 — "			
7087 { 1 1/4" diameter (Spike Fixing) 4/- 5/- 3/- pair			
7086 1 1/4" diameter 4/- 5/- 3/- "			

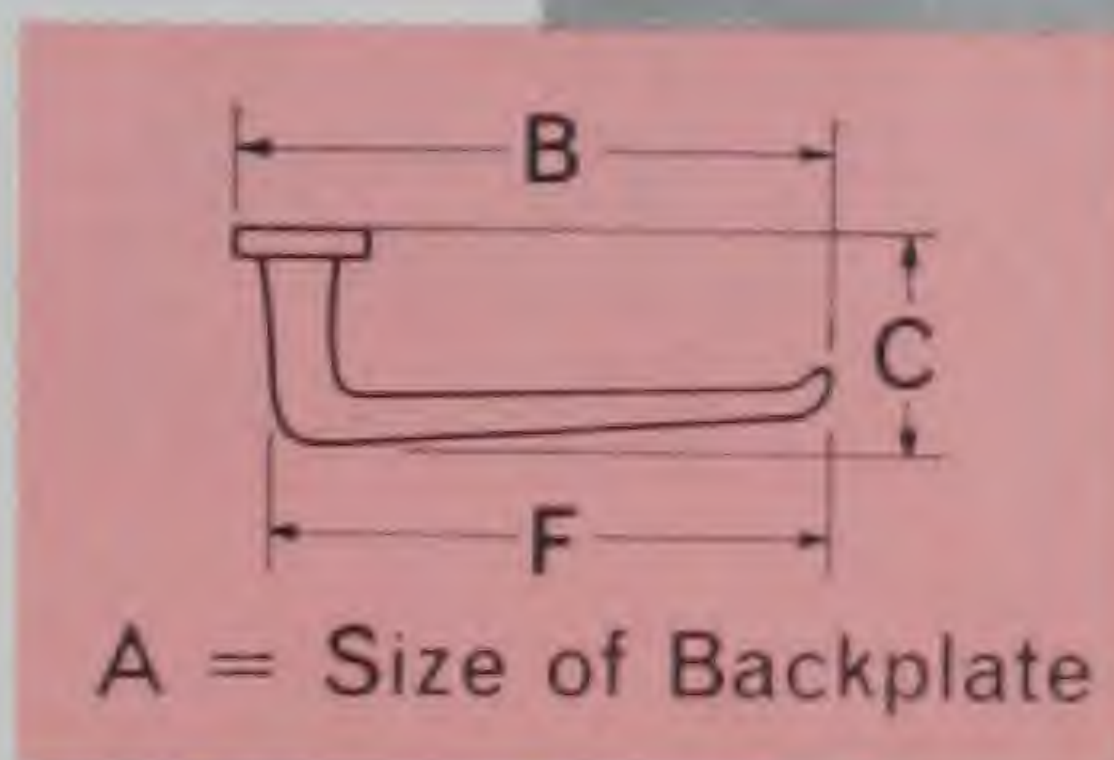
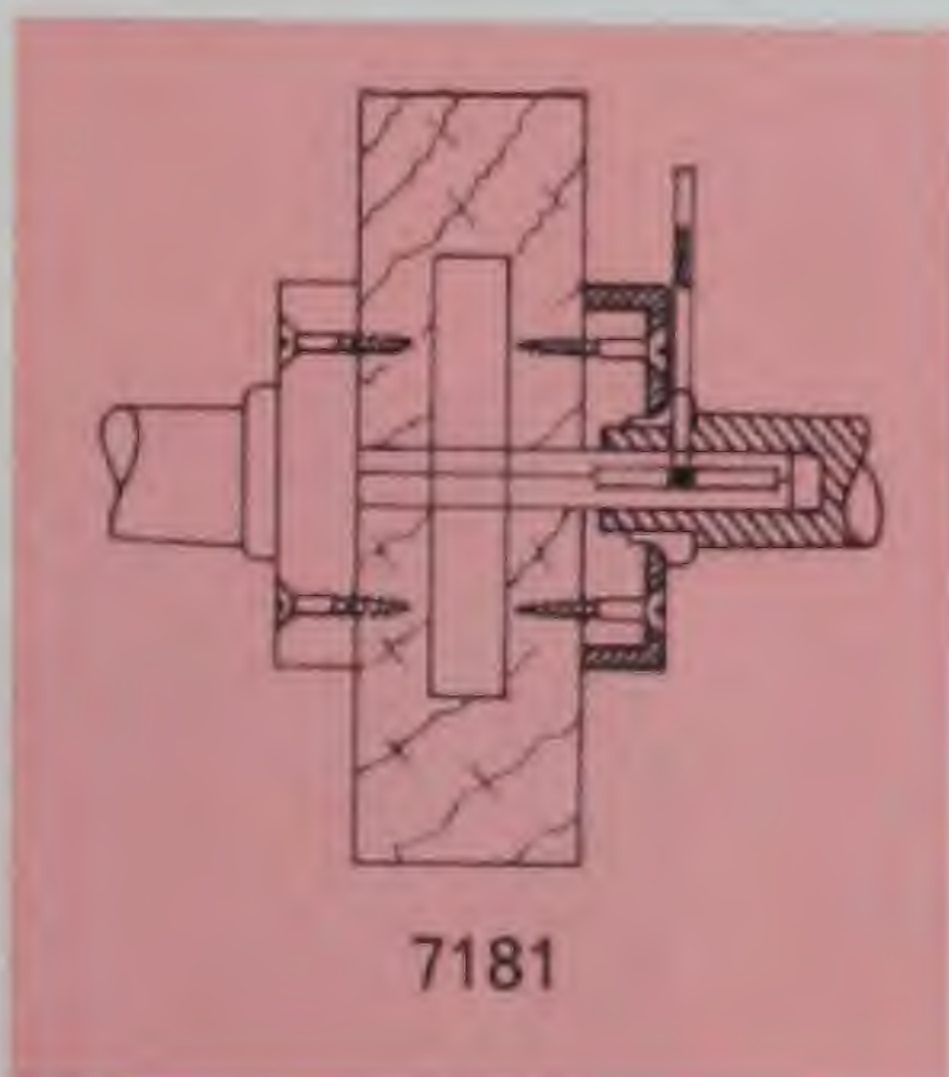
Prices include Wood Screws for fixing.

Handle 7068 has Concealed screw fixing.

Lever Furniture on this page is also available in Polished C.P., Satin Bronze or Satin Brass. The combinations of Lever Handles and Backplates on pages 45 to 47 are those normally available. Each Handle can be supplied in combination with any of the Backplates on those pages if preferred.

*TYPE 7181 SPINDLE FIXING can be supplied for patterns 7062 and 7068 without extra charge.

The Handle on left of diagram is spring-loaded, with fixed spindle. By inserting the pin into the toothed part of the spindle, the Handle on the right of the diagram is fixed in position. A Nylon bush between spindle and Backplate gives easy action.



7060

	A	B	C	F
7060	9" x 1 1/2"	5"	2 1/8"	4 5/8"
7062	2"	4 1/2"	2 3/4"	4 3/8"
7068	2 1/4"	4 3/4"	2 3/8"	4 1/4"
7000	4" x 1 5/8"	4 3/4"	2 1/4"	4 1/2"



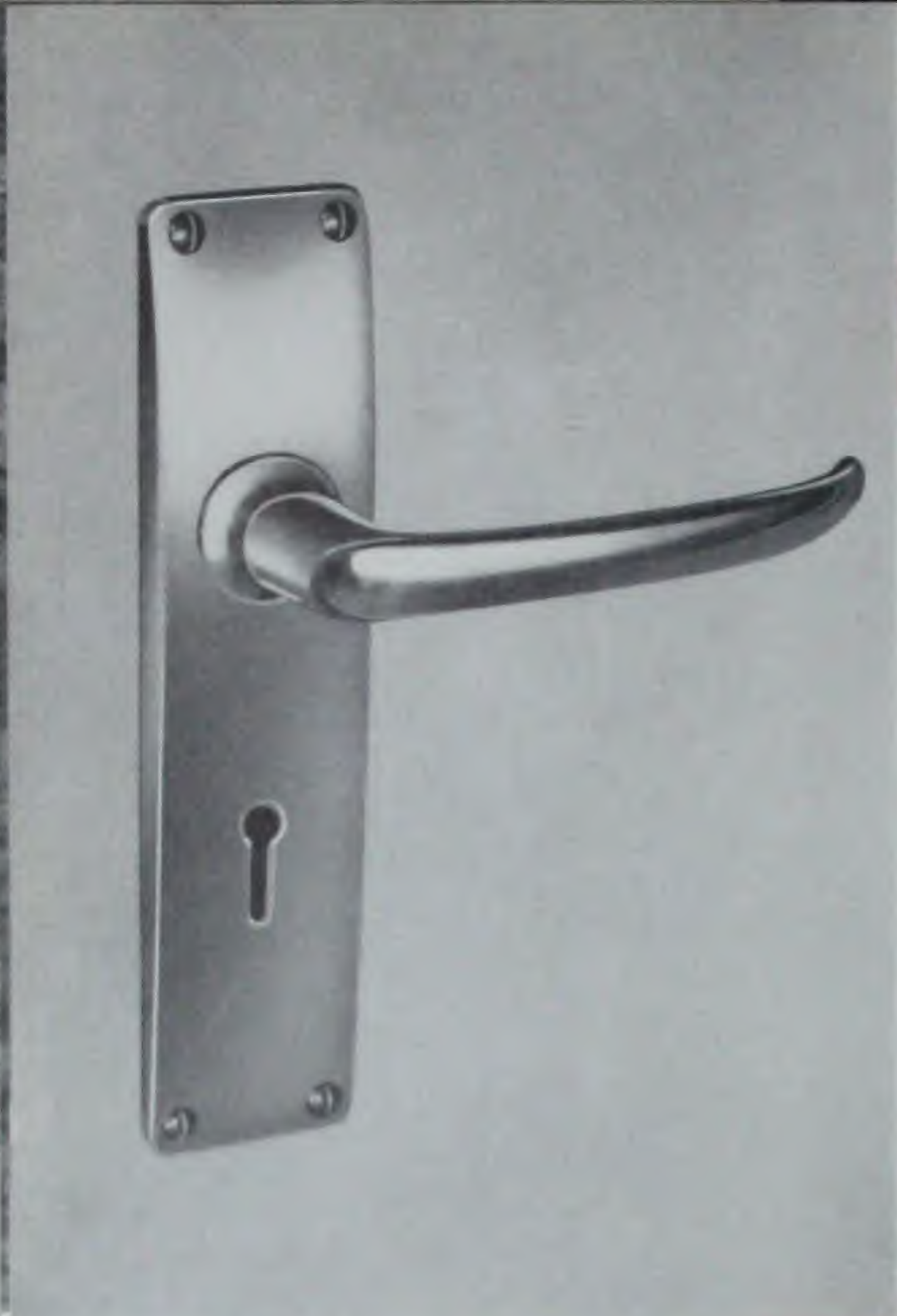
7062 (Top)

7068 (Bottom)

7087 (Top)

7086 (Bottom)

7000



LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES*

			Real B.M.A.			Satin C.P. or Satin Nickel Bronze	
7069	..	..	39/6	..	..	44/9	set
4309*	..	..	49/-	..	..	53/6	"
7061*	..	..	41/6	..	..	46/-	"
4315*	..	..	24/9	..	..	—	"

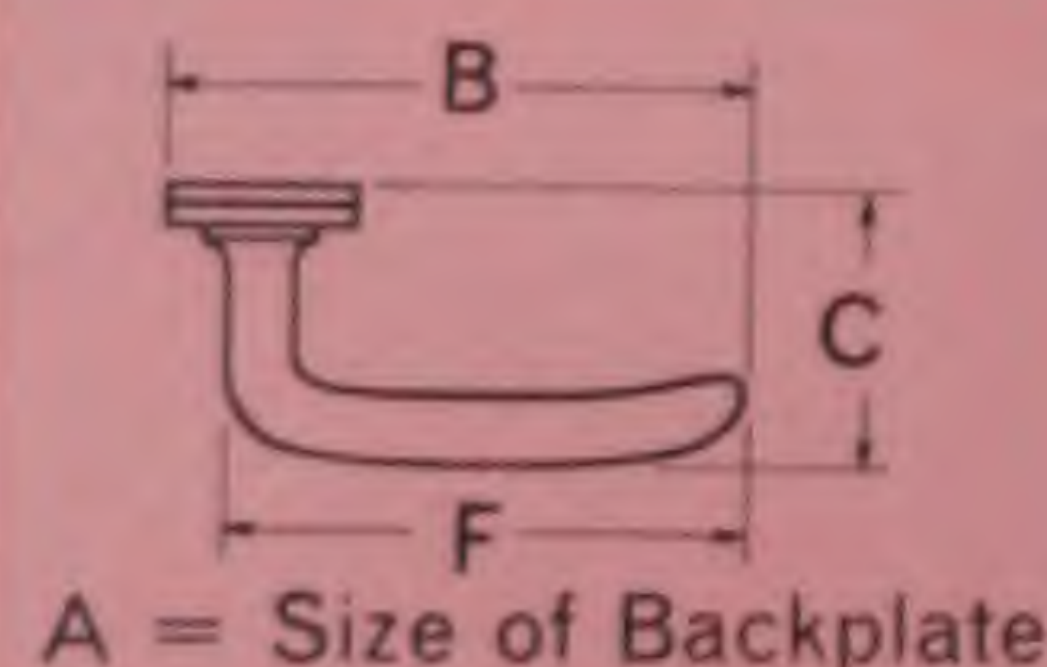
Prices include Wood Screws for fixing.

*Handles 4309, 7061 and 4315 can also be supplied with type 7181 Spindle fixing without extra charge. See diagram and details on page 45.

Handles 4309 and 7061 have concealed screw fixing.

7069

Lever Furniture on this page is also available in Polished C.P. In addition, patterns 4309 and 7061 can be supplied in Silver or Satin Silver Anodised.



4309

7061

4315

	A	B	C	F
7069	7" x 1 1/8"	4 1/8"	2 3/8"	4 1/8"
4309	2 1/4"	5 1/4"	3"	4 1/2"
7061	2 1/4"	5 1/2"	2 3/4"	4 3/4"
4315	2"	4 3/4"	2"	4"

The combinations of Lever Handles and Backplates on pages 45 to 47 are those normally available. Each Handle can be supplied in combination with any of the other Backplates on those pages if preferred.

Escutcheons for 4309, 7061 and 4315—see page 45.

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES*

	Real B.M.A.		Satin C.P. or Satin Nickel Bronze		Silver Anodised
7035	.. 43/-	..	.. 48/6	..	.. 26/6 set
7057	.. 35/-	..	.. 39/9	..	.. 22/6 „
7058	.. 41/6	..	.. 45/9	..	.. 29/3 „
7059	.. 25/6	..	.. 28/-	..	.. 14/6 „

Prices include Wood Screws for fixing.

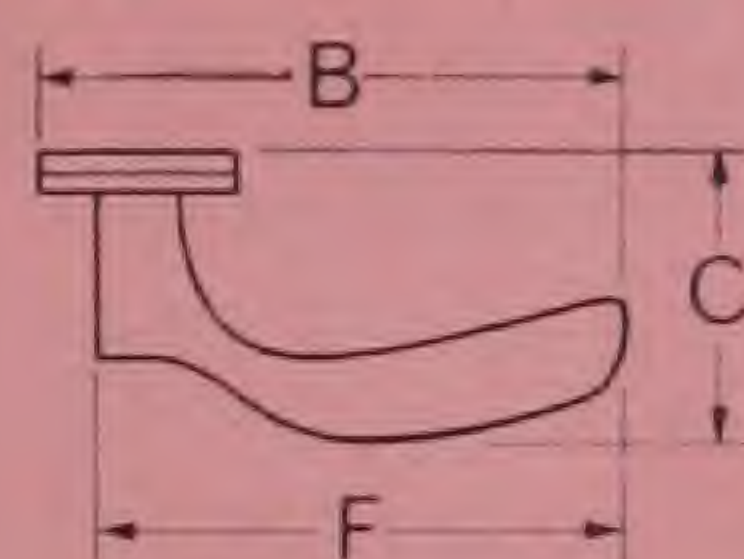
Handle 7058 has concealed screw fixing.

*Handles 7058 and 7059 can also be supplied with type 7181 Spindle Fixing without extra charge. See diagram and details on page 45.

Lever Furniture on this page is also available in Polished C.P., Silver or Satin Silver Anodised.



7035



A = Size of Backplate

	A	B	C	F
7035	7" x 1 5/8"	5 1/4"	2 1/2"	4 7/8"
7057	4" x 1 5/8"	4 3/4"	2 3/8"	4 1/2"
7058	2 1/4"	5 1/2"	2 1/8"	5"
7059	2"	5 1/4"	2 1/2"	4 3/4"

The combinations of Lever Handles and Backplates on pages 45 to 47 are those normally available. Each Handle can be supplied in combination with any of the other Backplates on those pages if preferred.

Escutcheons for patterns 7058 and 7059—see page 45.



7057 (Top)

7058 (Bottom)



7059



A V O N W O R K S , B R I S T O L 3



LEVER FURNITURE

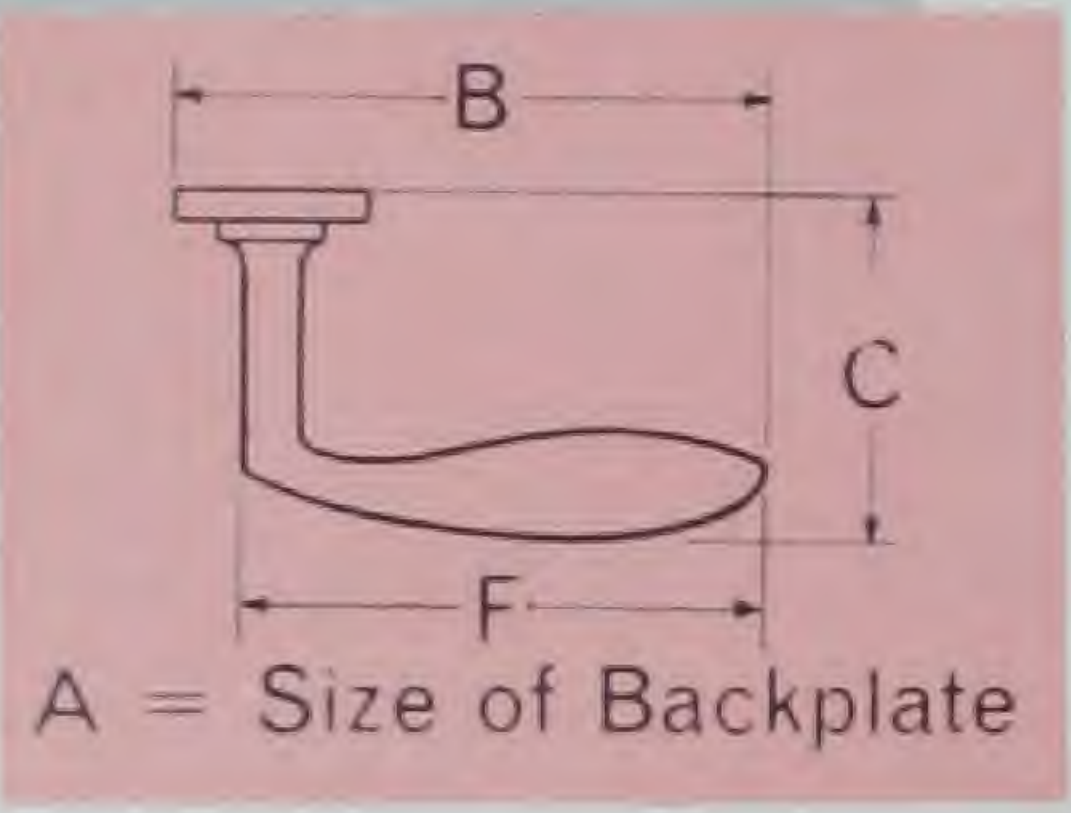
SPRING-LOADED. PLAIN SPINDLES.

All Reversible Hand, except 5075.

			Real B.M.A.			Satin C.P.
5075	..	..	49/-	..	..	53/6 set
7001	..	..	30/9	..	..	34/6 „
7070	..	..	31/6	..	..	36/9 each
7077	..	..	25/6	..	..	29/- „
7081	..	..	33/6	..	..	36/6 set
7074	..	..	48/6	..	..	53/- „

Prices include Wood Screws for fixing.

5075

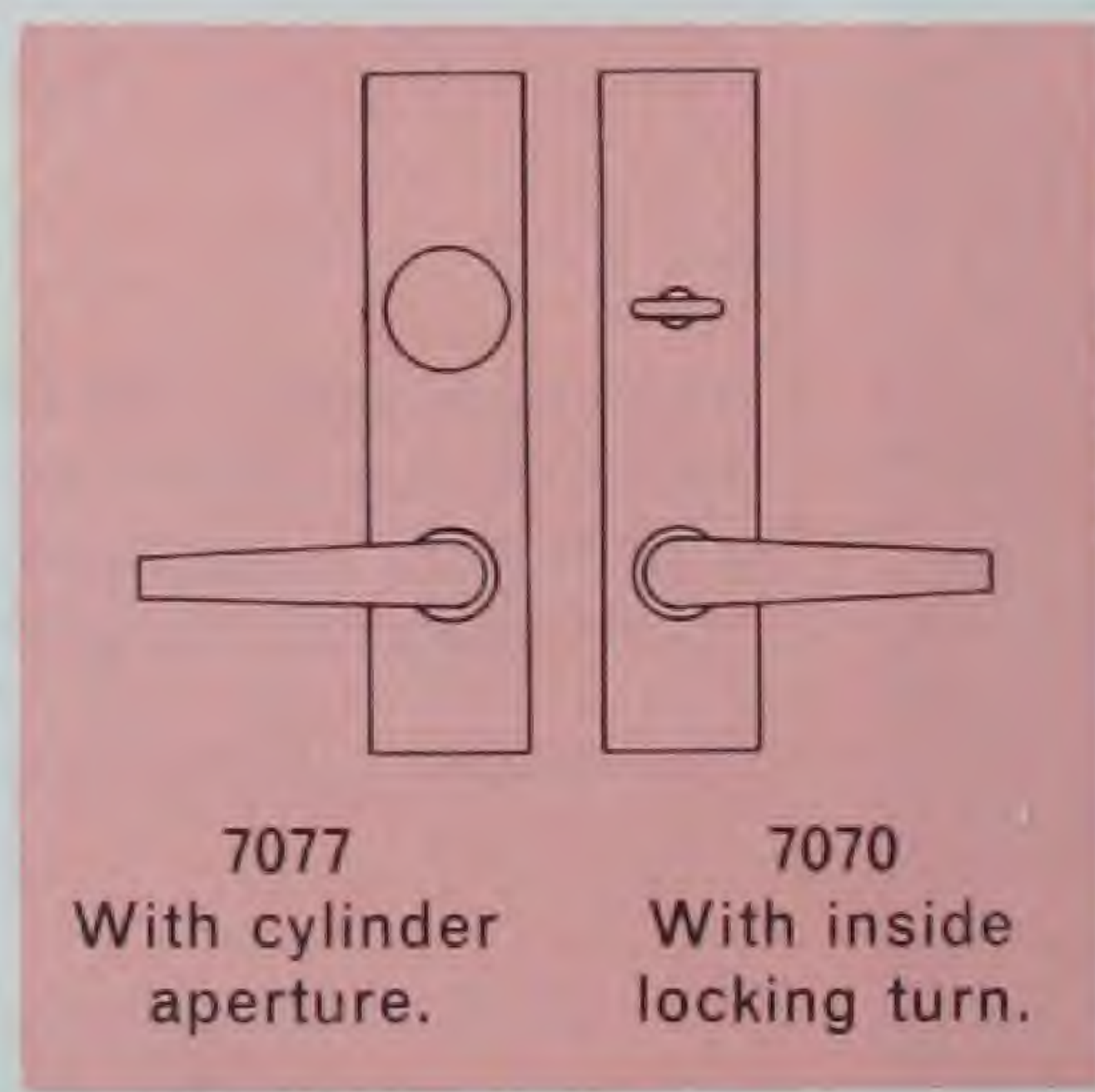


	A	B	C	F
5075	7" x 1 5/8"	4 3/4"	2 1/2"	4 1/4"
7001	6 1/4" x 1 3/4"	5"	2 3/8"	4 1/2"
7077	8" x 1 3/4"	5"	2 3/8"	4 1/2"
7070	8" x 1 3/4"	5"	2 3/8"	4 1/2"
7081	7" x 1 5/8"	5 5/8"	2 1/2"	4 1/2"
7074	6 1/4" x 1 3/4"	5 1/4"	2 5/8"	4 1/2"

All Furniture on this page is available in Satin Brass or Satin Bronze. Patterns 7001 and 7074 are also available in Silver or Satin Silver Anodised.



7081



For use with Cylinder Mortice Locks (see pages 123 and 124). Design of Lever Handle is as 7001.



7001 (Top) 7074 (Bottom)

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES.

All Reversible Hand.

Real B.M.A.

Satin C.P.

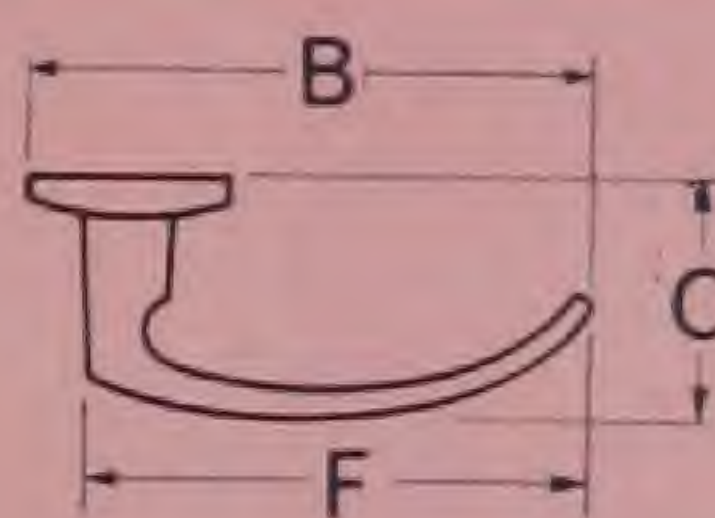
5085	..	..	..	30/9	..	..	..	34/6	set
5084	..	..	..	28/-	..	..	..	30/9	"
7076	..	..	..	30/9	..	..	..	36/-	each
7075	..	..	..	24/6	..	..	..	28/-	"
7082	..	..	..	35/-	..	..	..	38/-	set
7073	..	..	..	48/6	..	..	..	53/-	"

Prices include Wood Screws for fixing.

Patterns 5085, 5084 and 7073 are also available in Silver or Satin Silver Anodised.



5085

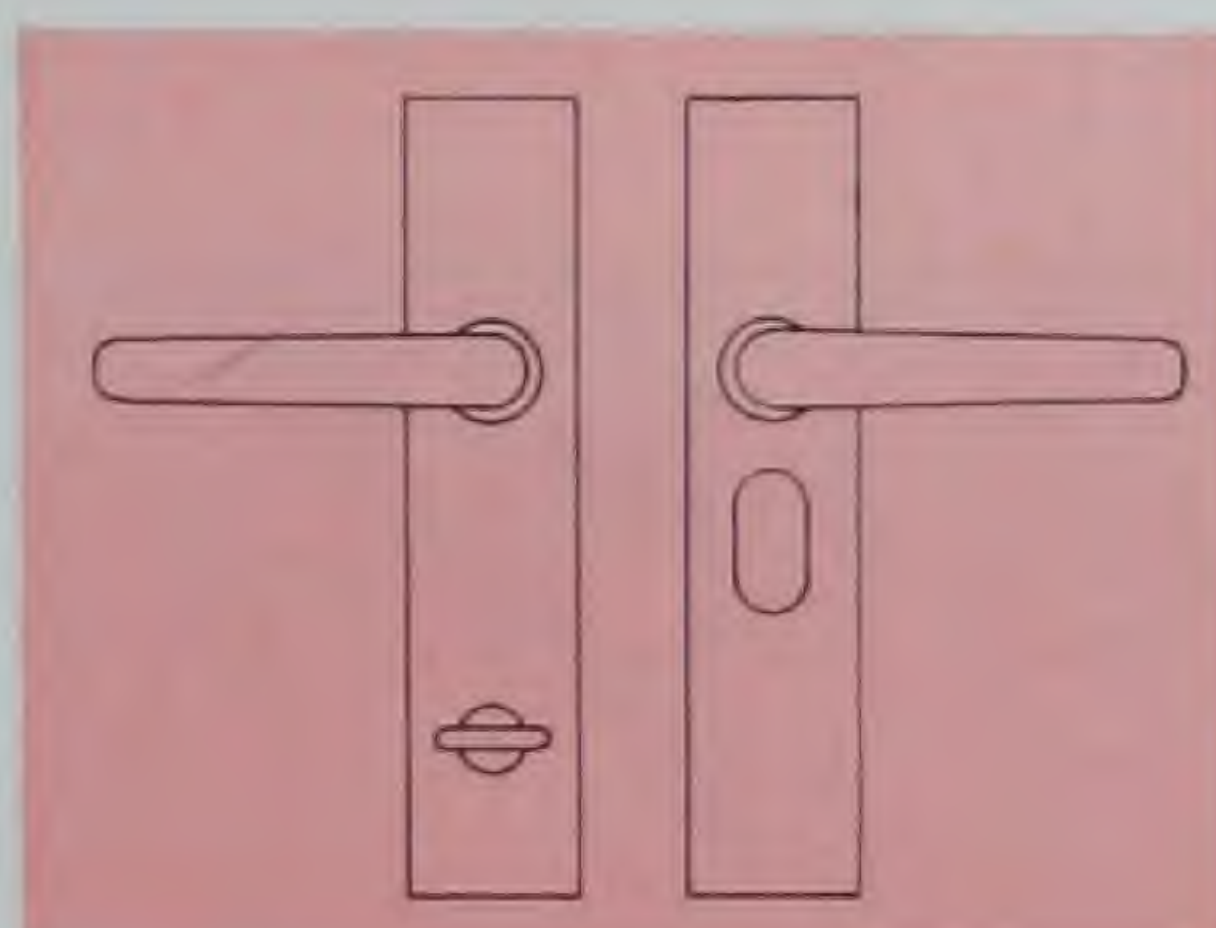


A = Size of Backplate

	A	B	C	F
5085	6 $\frac{1}{4}$ " x 1 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	2"	4 $\frac{1}{8}$ "
5084	4 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	2"	4 $\frac{1}{8}$ "
7076	7 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	2"	4 $\frac{1}{8}$ "
7075	7 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	2"	4 $\frac{1}{8}$ "
7082	7" x 1 $\frac{3}{8}$ "	5 $\frac{1}{8}$ "	2 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "
7073	6 $\frac{1}{4}$ " x 1 $\frac{3}{4}$ "	5 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "



5084 (Top) 7082 (Bottom)



7076 With inside locking turn. 7075 With cylinder aperture.

For use with Cylinder Mortice Locks (see page 122).

Design of Lever Handle is as 5084 and 5085.

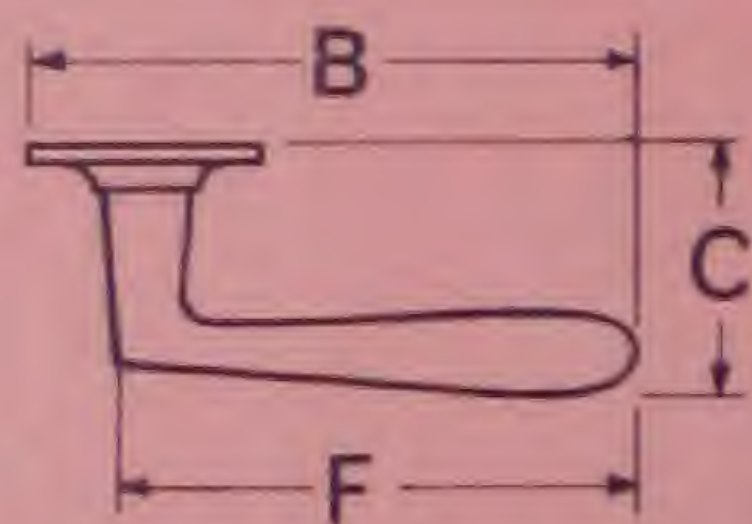
All Furniture on this page is available in Satin Brass or Satin Bronze.



7073



5100



A = Size of Backplate

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES

			Real B.M.A.		Polished C.P.		Satin C.P.	
5100	..	..	49/-	..	—	..	53/6	set
4333	..	..	23/-	..	22/3	..	—	"
4348	..	..	27/-	..	29/6	..	—	"
4353	..	..	25/6	..	27/6	..	—	"
4591	..	..	114/-	..	—	..	—	"
318 Escutcheon with cover 1 1/4" diameter			3/6	..	4/6	..	—	pair

Prices include Wood Screws for fixing.

	A	B	C	F
5100	6" x 2"	5 1/2"	2 1/2"	4 3/4"
4333	2"	4 3/4"	2 1/4"	4"
4348	6" x 1 5/8"	4 3/8"	2 1/8"	4"
4353	6" x 1 5/8"	4 5/8"	1 7/8"	4 1/8"
4591	8" x 2"	4 1/2"	2 1/4"	4"



4333 (Top)



318 (Top)



4348 (Bottom)



4353 (Bottom)



4591

LEVER FURNITURE

UNSPRUNG

Handles 7154 and 7155—Satin Nickel Plated on Nickel Silver.
All other Handles and Escutcheons Satin Nickel Plated on Brass.

	Type of Fixing*	7185	7186	7187
7153	All Metal	—	26/6	— set
7154	" "	—	38/6	31/6 "
7155	" "	—	38/-	31/- "
7150	With Black Plastic Grips ..	8/9	14/-	— "
7151	With Ivory Plastic Grips ..	9/6	14/6	— "
7152	With Teak Grips	14/-	—	— "
7156	Escutcheon $1\frac{5}{16}$ " diameter. Suitable for 7150, 7151 and 7152			3/6 pair
7157	Escutcheon $1\frac{1}{2}$ " diameter. Suitable for 7153, 7154 and 7155			3/6 pair

Prices include Wood Screws for fixing.

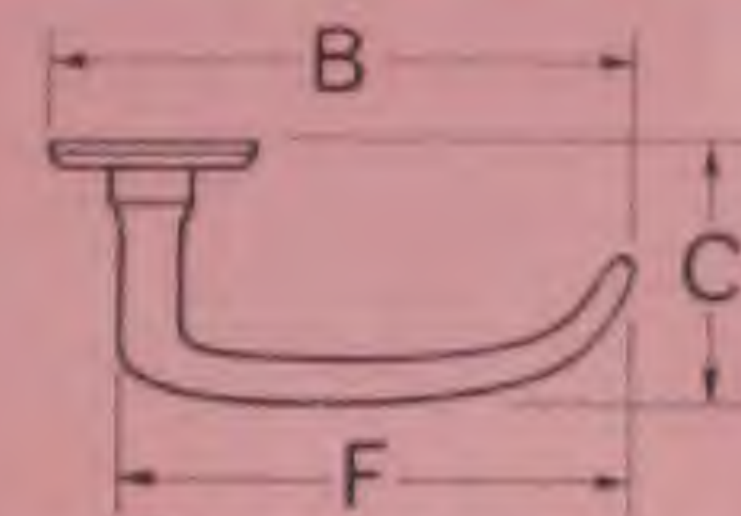
*METHODS OF FIXING.

Type 7185.—Spindle fixed in handle one side, with pin fixing the other. The handles push right up to the lock follower, and loose roses adjust to the thickness of the door and act as guides when fixed.

Type 7186.—Loose plain spindles, fixed roses. Two machine screws suitable for thickness of door are inserted in one rose, passed through two holes in the lock and connect with barrel nipples inserted in the other rose.

Type 7187.—One end of spindle fixed in handle, other end grooved for adjustable pin fixing. Loose roses.

For suitable Locks and Latches, see pages 119 and 121.



7153

	7153	7154	7155	7150	7151	7152
A	$1\frac{7}{8}$ "	$1\frac{7}{8}$ "	$1\frac{7}{8}$ "	$1\frac{3}{4}$ "	$1\frac{3}{4}$ "	$1\frac{3}{4}$ "
B	5"	5"	$4\frac{7}{8}$ "	$4\frac{7}{8}$ "	$4\frac{7}{8}$ "	$5\frac{1}{8}$ "
C	$2\frac{1}{4}$ "	$2\frac{3}{8}$ "	$2\frac{1}{8}$ "	*	*	*
F	$4\frac{3}{8}$ "	$4\frac{3}{8}$ "	$4\frac{1}{8}$ "	$4\frac{3}{8}$ "	$4\frac{3}{8}$ "	$4\frac{5}{8}$ "

*Variable according to thickness of door.



7154 (Top) 7150 & 7151 (Bottom)

7155 (Top) 7152 (Bottom)



LEVER FURNITURE

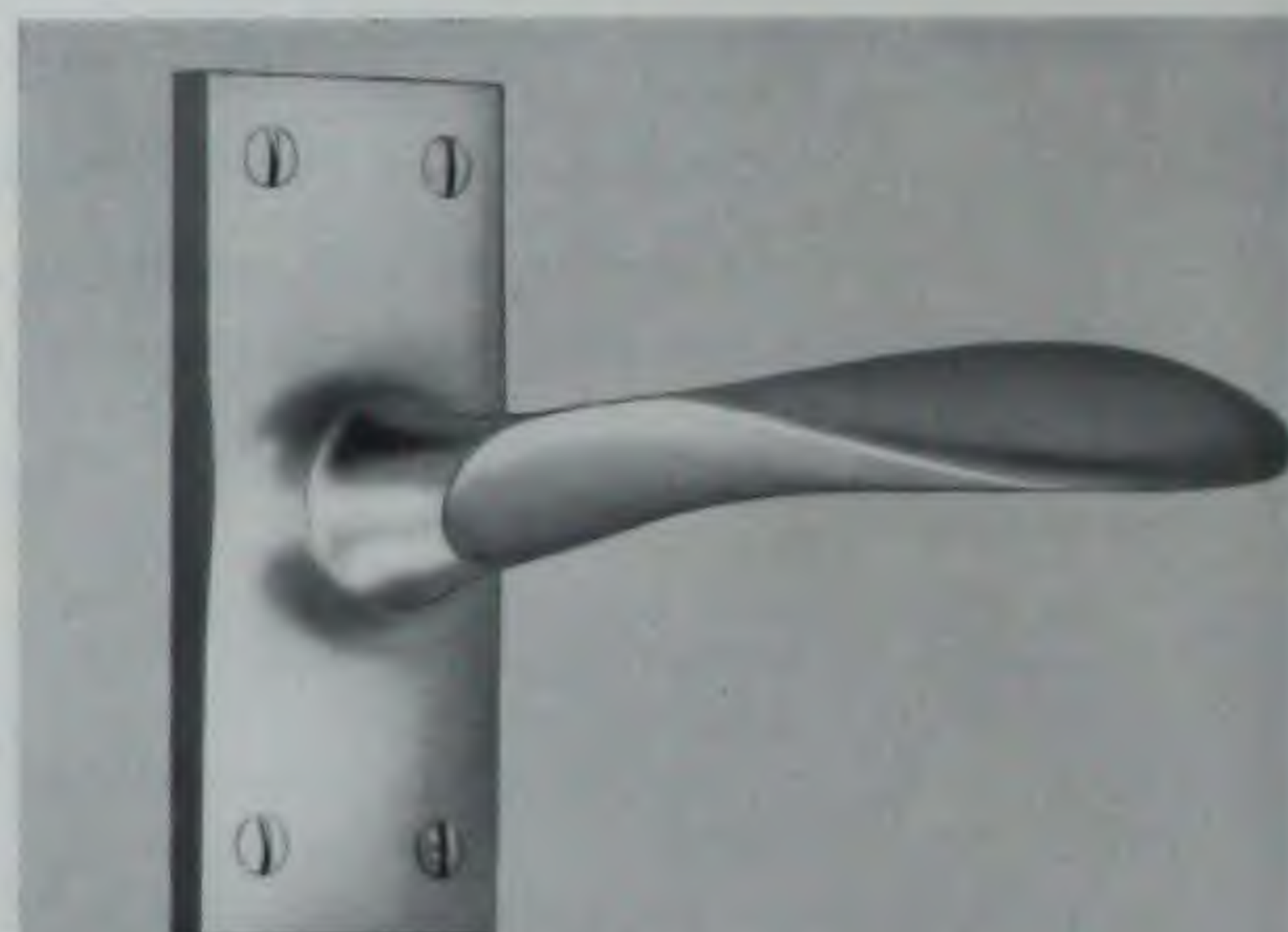
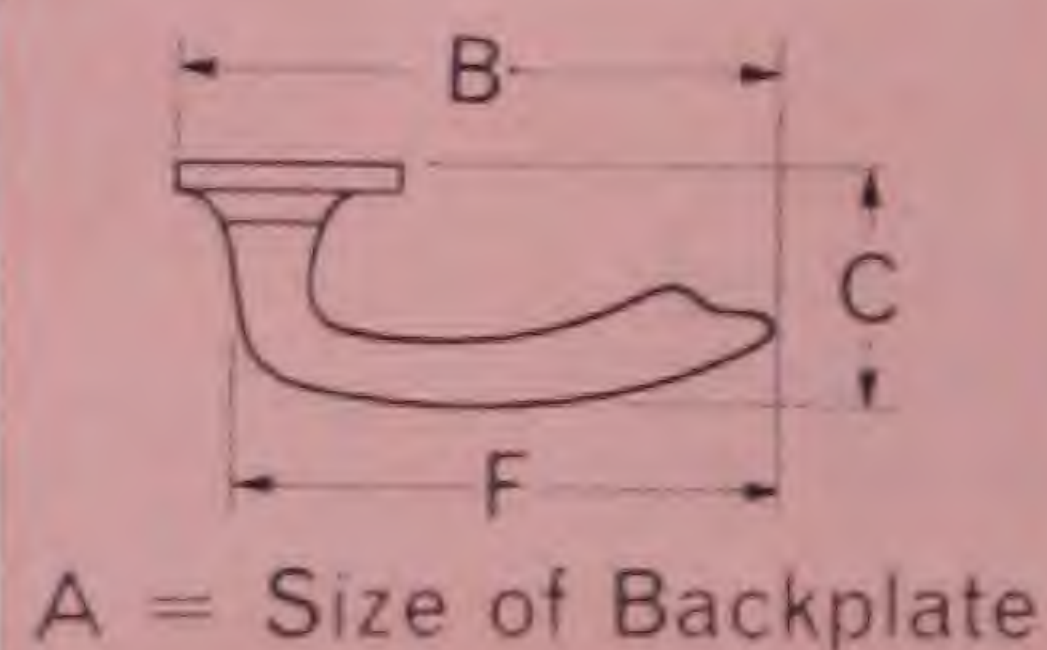
SPRING-LOADED. PLAIN SPINDLES.

			Real B.M.A. or Satin C.P.			Silver or Satin Silver Anodised	
7033	..	..	47/9	..	..	35/6	set
7131	..	..	30/9	..	..	21/-	"
7039	..	..	42/6	..	..	32/6	"
7132	..	..	37/6	..	..	26/6	"
7028	..	..	42/6	..	..	32/6	"
7133	Escutcheon (Spike Fixing)						
	1 5/8" diam.		4/6	..	..	3/6	pair

Prices include Wood Screws for fixing.

7033

	A	B	C	F
7033	6" x 2"	5 1/4"	2 1/4"	4 3/4"
7131	4" x 1 5/8"	4 7/8"	2 1/4"	4 1/2"
7039	6" x 2"	6 1/8"	1 7/8"	5 1/2"
7132	2 1/4"	5 1/4"	2 1/4"	4 1/2"
7028	6" x 2"	4 7/8"	2 1/4"	4 1/2"



7039

7132

7133

7131 (Top)

7028 (Bottom)

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES.
(Except pattern 7130 described below.)

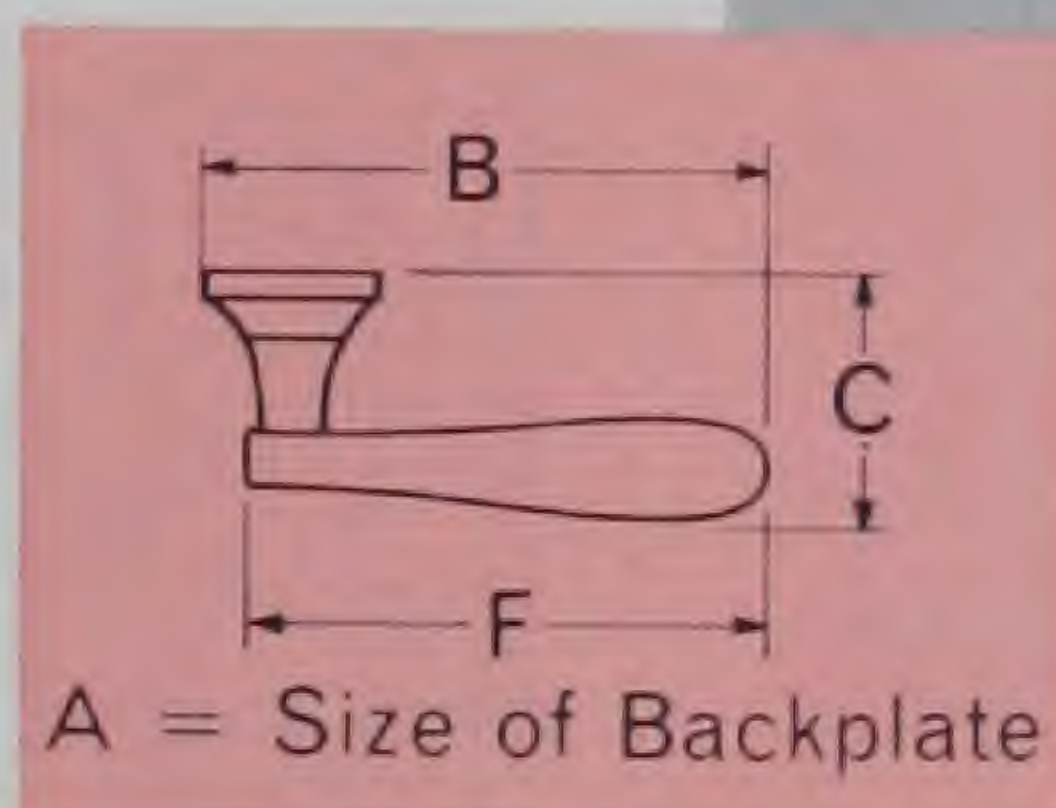
			Real B.M.A. or Satin C.P.			Silver or Satin Silver Anodised	
7002	..	..	28/6	..	..	14/9	set
7034	..	..	27/9	..	..	21/-	"
7030	..	..	23/9	..	..	13/6	"
7026	..	..	28/6	..	..	14/9	"
7130	..	..	—	..	..	8/9	"

Prices include Wood Screws for fixing.

Escutcheon 7133 for pattern 7130, see page 52.



7002



	A	B	C	F
7002	6" x 1 3/4"	4 3/4"	2 1/4"	4 1/4"
7034	6" x 1 7/8"	5"	2"	4 1/2"
7030	4" x 1 5/8"	5 1/8"	2 1/8"	4 1/2"
7026	6" x 1 5/8"	5 1/8"	2 1/8"	4 1/2"
7130	1 3/4"	5"	2 1/4"	4 1/2"

7130—Unsprung, with adjustable spindle.
Spike-fixing Roses, with Nylon bushes.



7034 (Top)



7030 (Bottom)



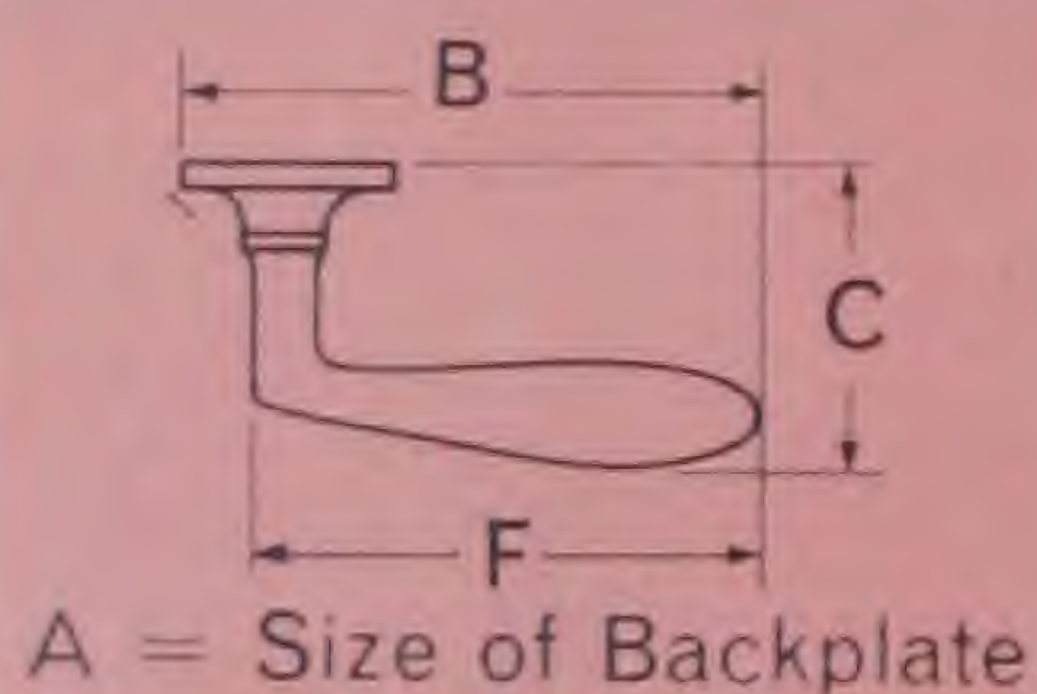
7026



7130



7041



LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES

		Real B.M.A.		Satin C.P.		Silver Anodised		Satin Silver Anodised	
7041	.. ..	30/6	..	32/-	..	—	..	—	set
7116	.. ..	28/6	..	30/6	..	—	..	—	"
7118*	.. ..	25/-	..	26/9	..	20/6	..	20/6	"
110	.. ..	22/9	..	—	..	—	..	—	"
7117*	.. ..	25/-	..	26/9	..	20/6	..	20/6	"
7122 Escutcheon		10/6	..	11/9	..	8/6	..	8/6	pair
7121	..	1/9	..	2/-	..	1/3	..	1/3	"

*Extra if fitted with 7182 Spindle (Similar principle to 7181, page 45)
1/3 set

Prices include Wood Screws for fixing.

	A	B	C	F
7041	6" x 2"	5"	2½"	4¾"
7116	6" x 2"	5"	2½"	4¾"
7118	2½"	4½"	2¾"	4"
110	6" x 1½"	4½"	1¾"	3¾"
7117	2½"	5¼"	2½"	4¼"
7122	1½"	—	—	—
7121	1¼"	—	—	—

Handle 7041 is available with concealed fixing 2" diameter Backplate, and Handle 110 with 4" x 1½" Backplate. Numbers are 7141 and 111 respectively. Patterns 7118, 7117 and 7122 have concealed screw fixing.



7116



7118



110



7117



7122 (Top)



7121 (Bottom)

LEVER FURNITURE

SPRING LOADED. PLAIN SPINDLES

Silver Anodised

5269	..	..	..	..	..	9/9	set
5282	..	..	..	..	..	13/-	"
5264	..	..	..	..	..	13/-	"
5245	..	..	..	..	..	11/6	"
5271	..	..	..	..	..	8/9	"
5285	..	..	..	..	..	10/6	"
5249	..	..	..	..	..	10/6	"
5266	..	..	..	..	..	2/-	each

Prices include Wood Screws for fixing.

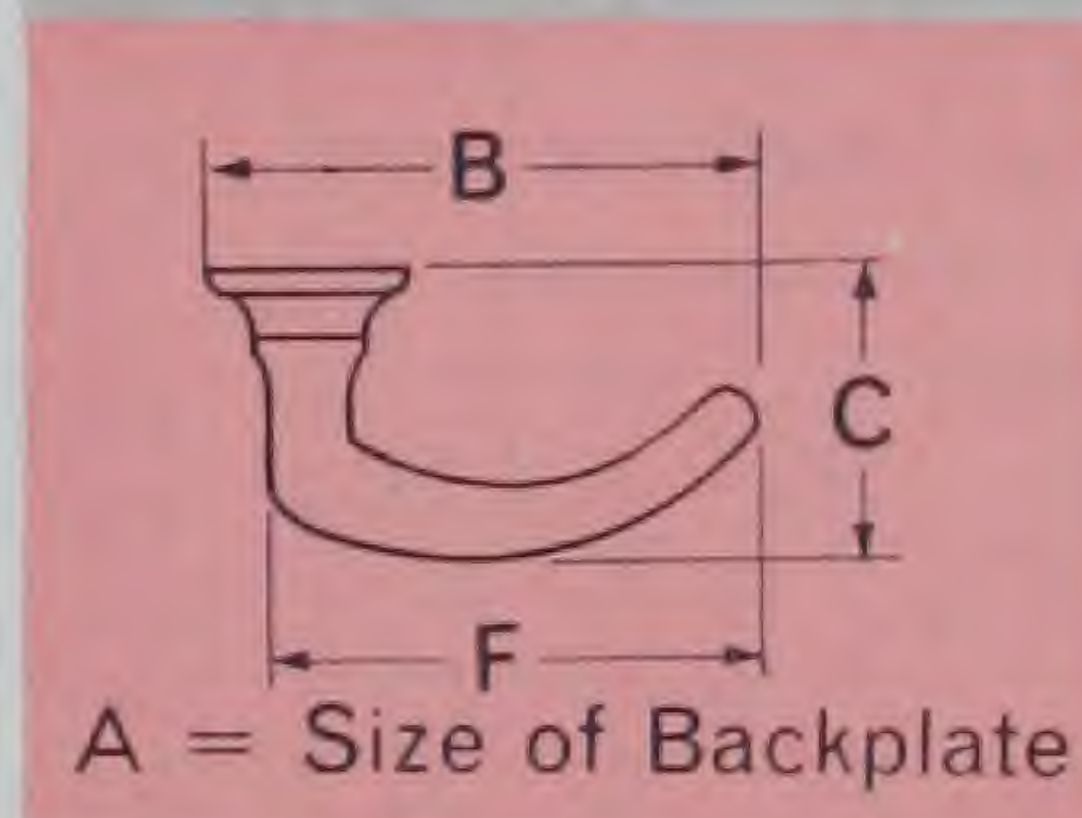
Patterns 5269 and 5271 have stamped backplates.
All other patterns have cast.



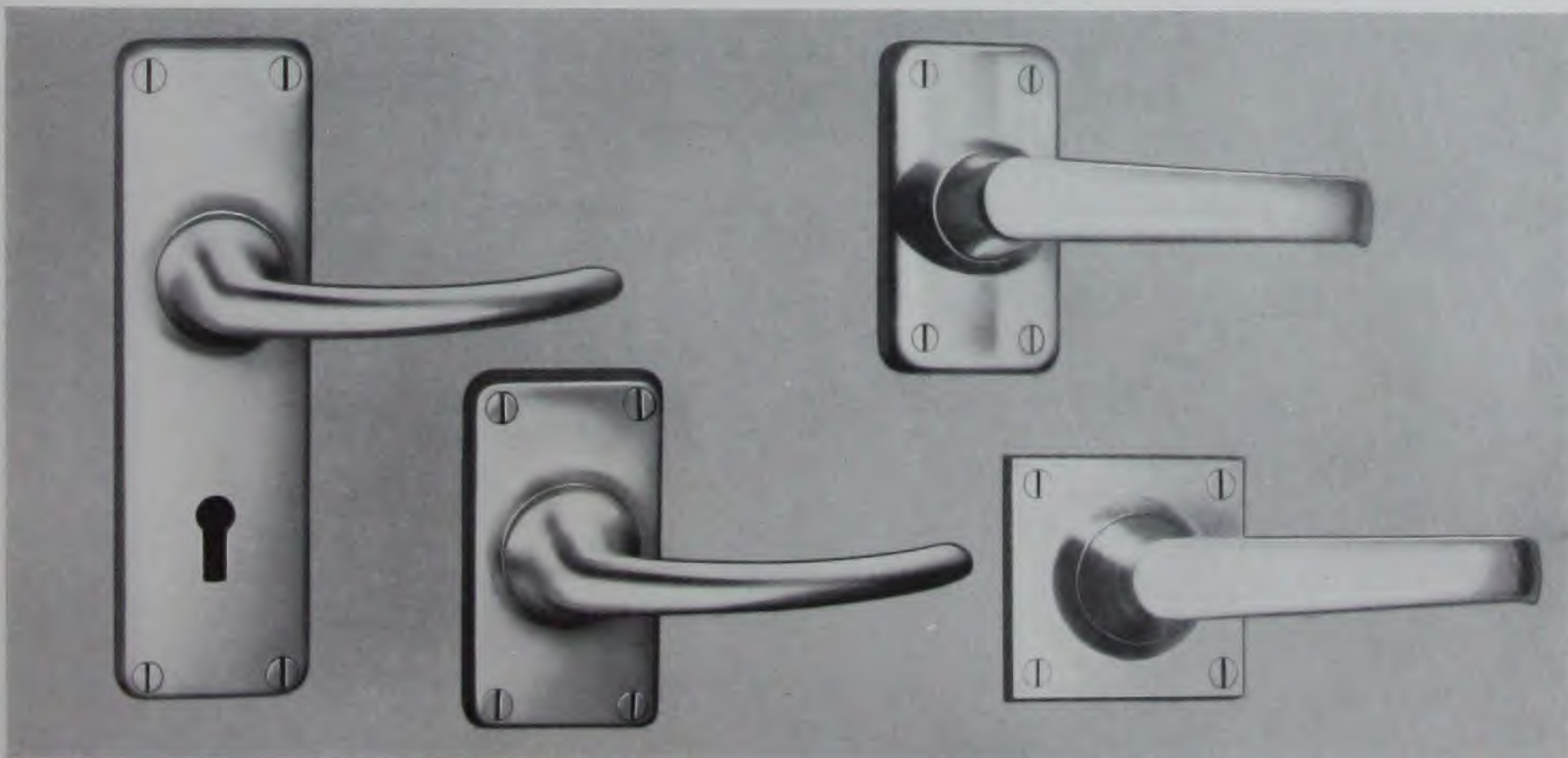
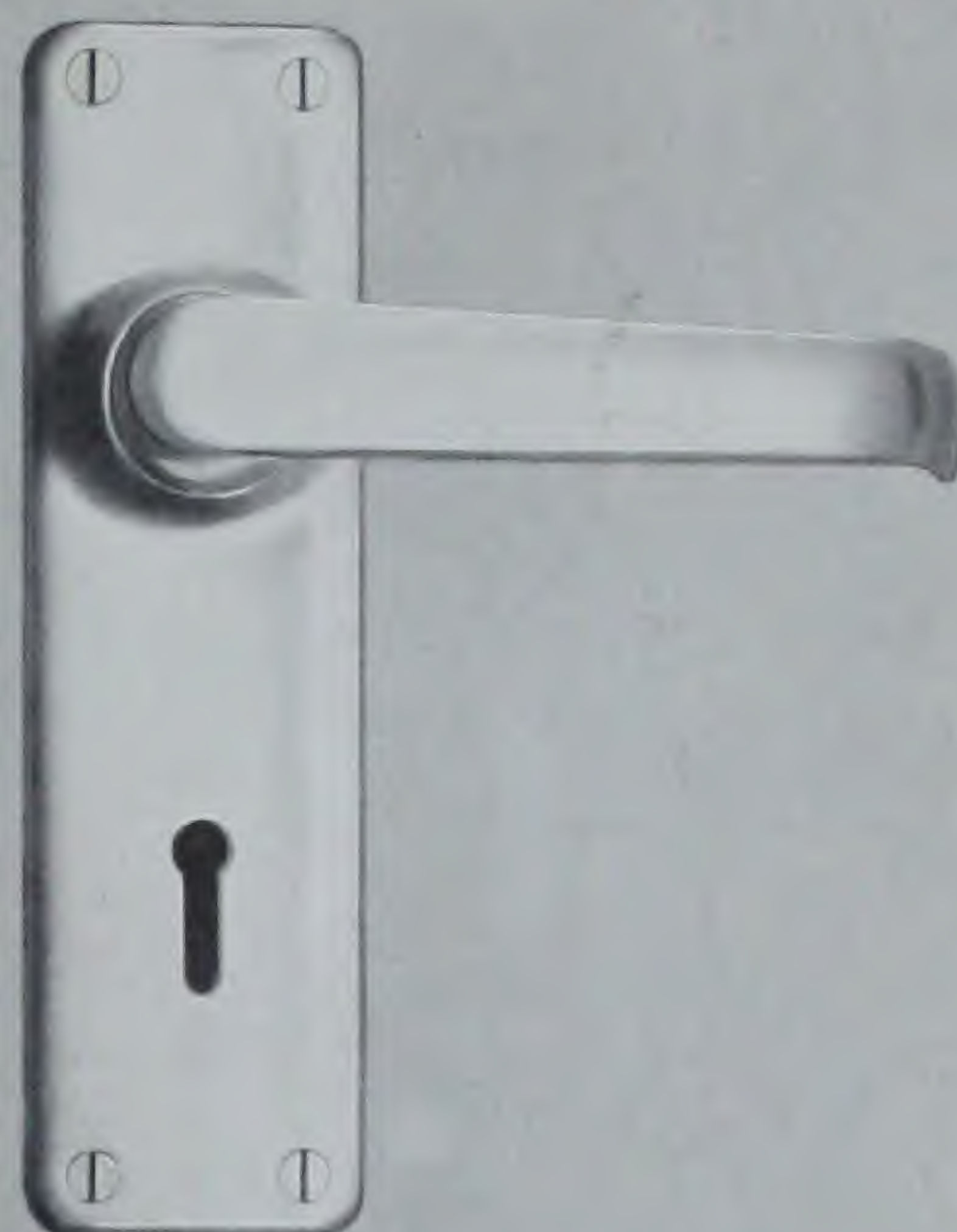
5266

Locking Snib.
For use with
2300 Latch on
page 121.

	A	B	C	F
5269	6" x 1 5/8"	4 1/2"	1 1/2"	4"
5282	6" x 1 5/8"	4 1/2"	1 5/8"	4"
5264	6" x 1 3/4"	4 1/4"	2 3/8"	3 3/4"
5245	3 1/8" x 1 3/4"	4 1/4"	2 3/8"	3 3/4"
5271	3" x 1 5/8"	4 1/2"	1 1/2"	4"
5285	4" x 1 5/8"	4 1/2"	1 5/8"	4"
5249	2 1/4" x 2 1/4"	4 3/4"	1 5/8"	4"



5269 & 5282

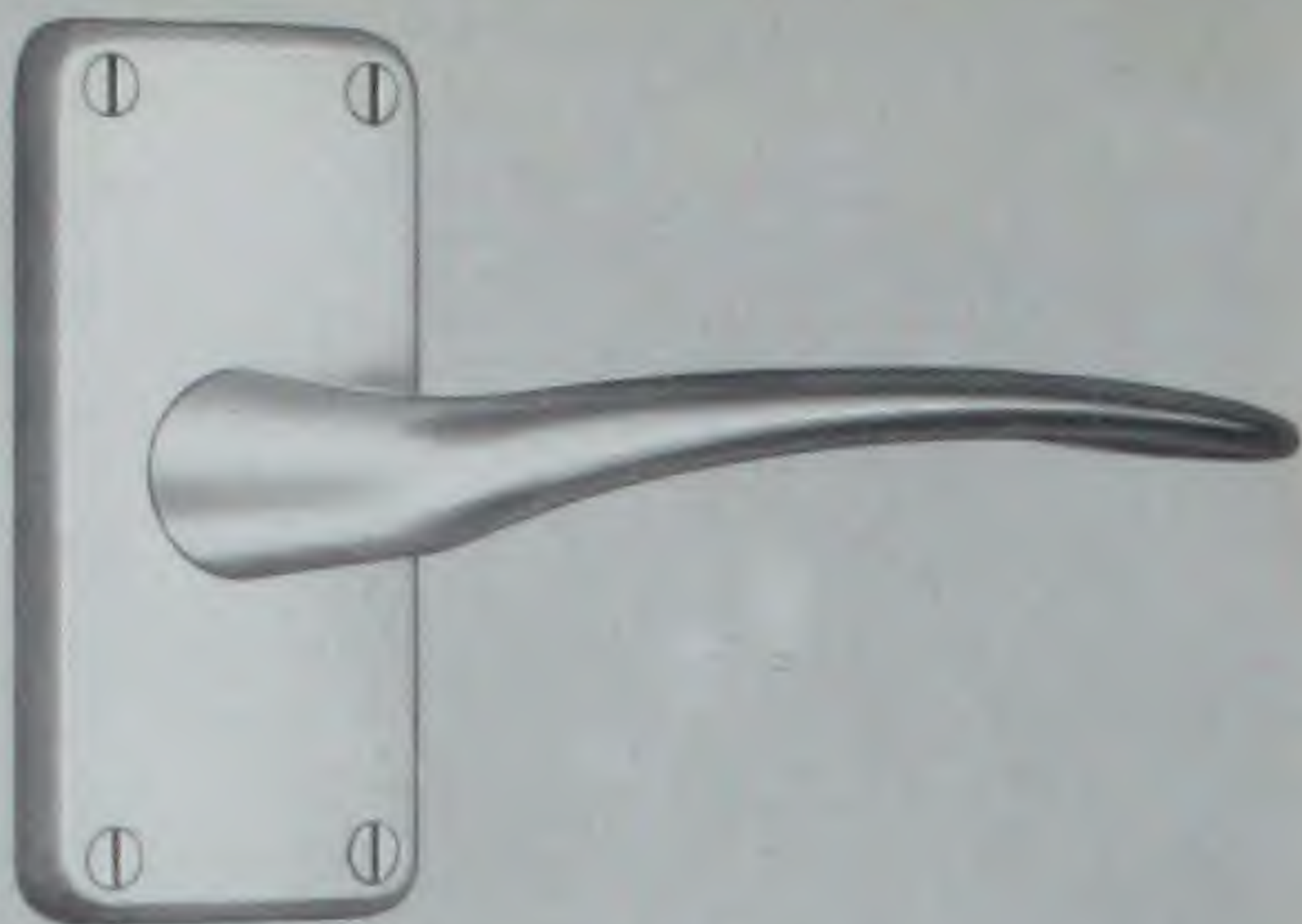


5264

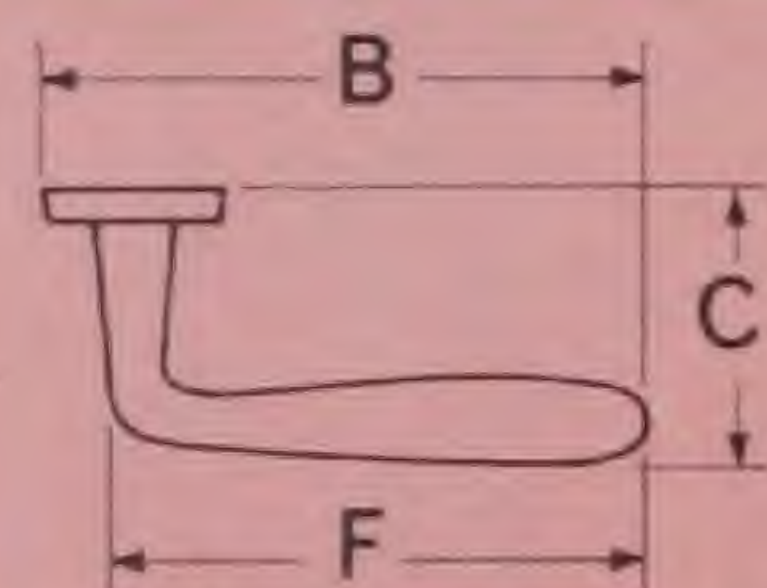
5245

5271 & 5285

5249



7102



A = Size of Backplate

LEVER FURNITURE

SPRING-LOADED.

Wedge type Duce's spindle, with the pull on the spindle.

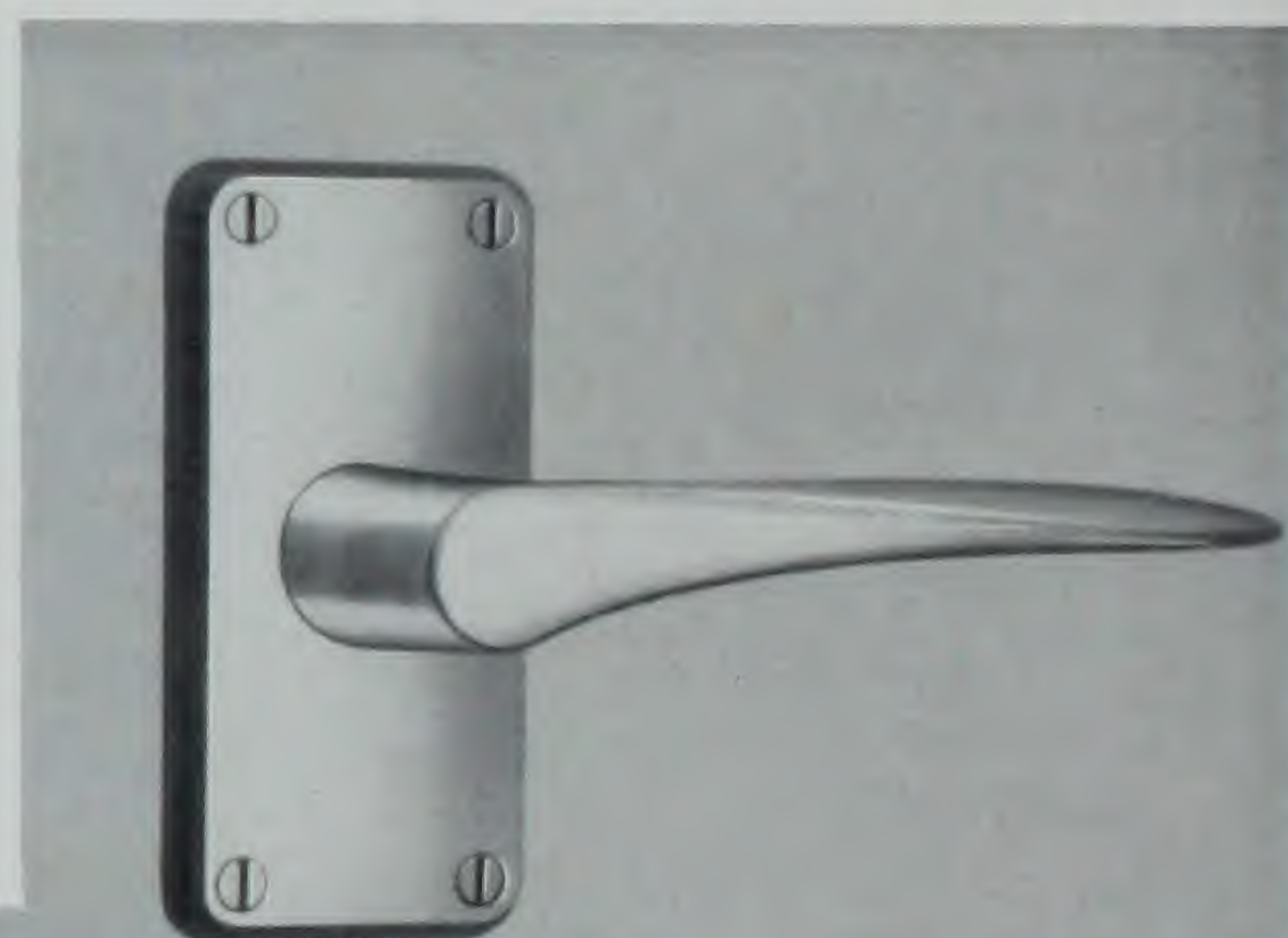
7102	Silver or Satin Silver Anodised	..	..	15/9	set
7105	" " " " " "	..	..	15/9	"
7103	" " " " " "	..	..	17/6	"
7100	" " " " " "	..	..	14/6	"
7106	" " " " " "	..	..	17/6	"
7104	" " " " " "	..	..	14/6	"
7107*	Escutcheon 1 1/4 in. diam. Screw-fixing	..	..	3/-	pair

*For 7100 and 7104 Furniture when used with Mortice Lock.

Prices include Wood Screws for fixing.

	7102	7105	7103	7100	7106	7104
A	3 3/4" x 1 3/4"	3 3/4" x 1 3/4"	5 7/8" x 1 3/4"	1 7/8"	5 7/8" x 1 3/4"	1 7/8"
B	4 7/8"	5"	4 7/8"	4 7/8"	5"	5"
C	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
F	4 1/4"	4 1/2"	4 1/4"	4 1/4"	4 1/2"	4 1/2"

Patterns 7100 and 7104 are also available with Nylon concealed screw-fixing Roses and press-on anodised covers—prices on application.



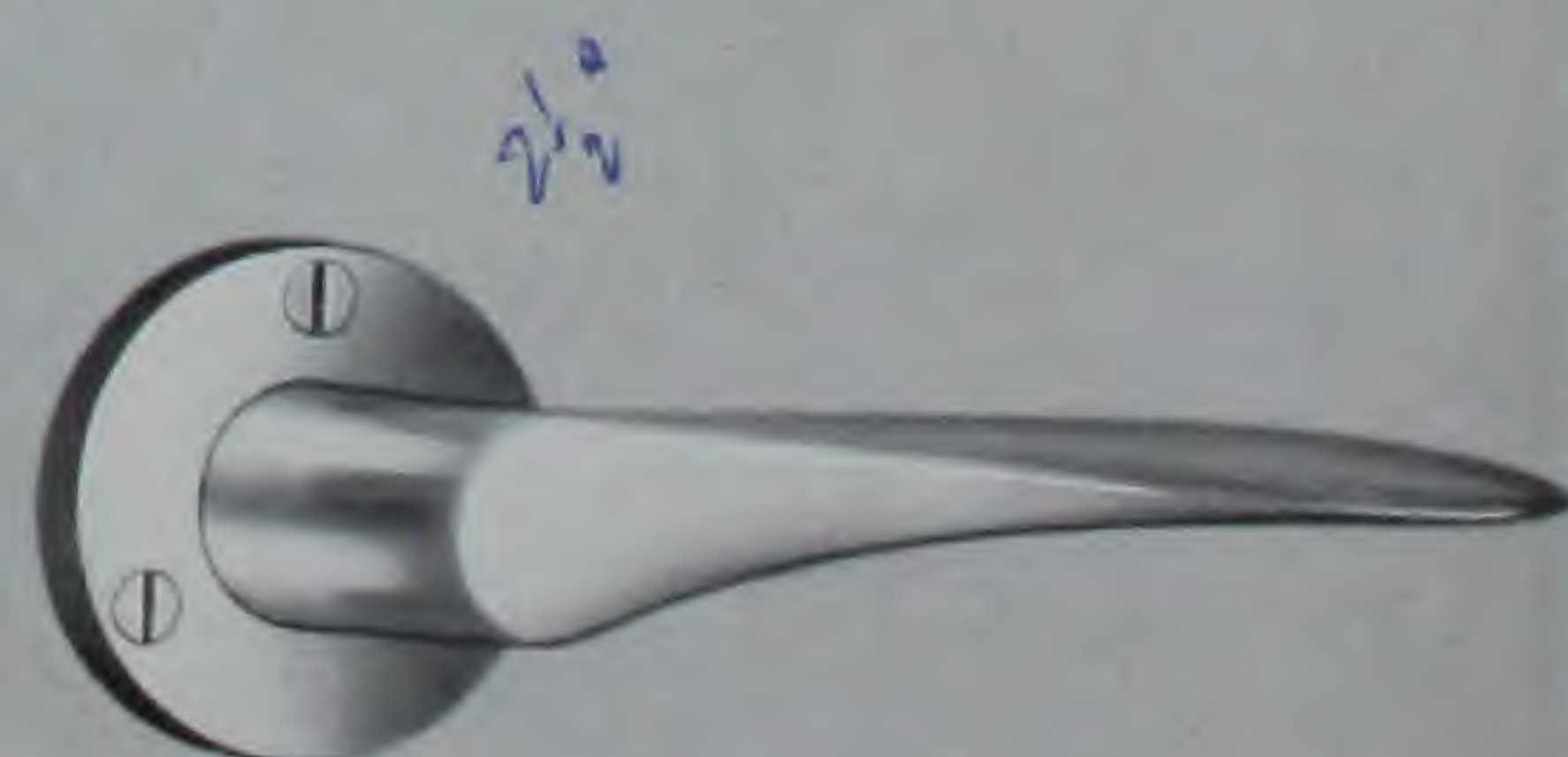
7103



7100



7106



7105 (Top)



7104 (Bottom)

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES

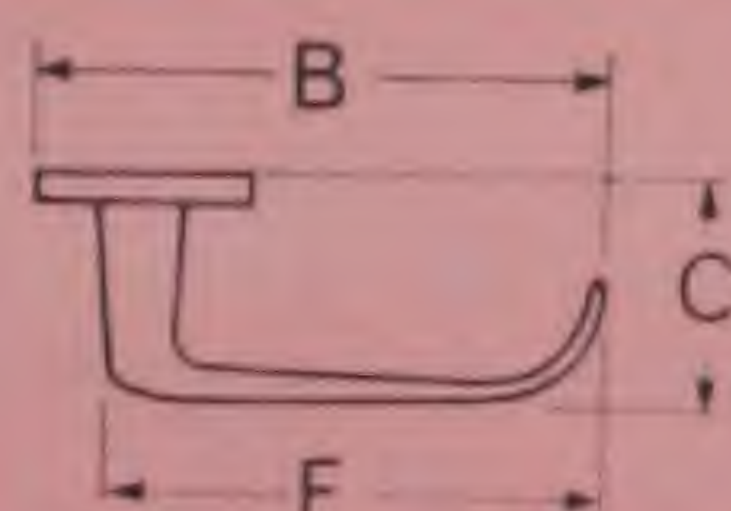
Silver Anodised

7120	..	..	..	..	..	..	12/3 set
7110	..	..	..	..	..	..	11/- "
7114	Complete with Latch 8743 (page 120)	..	21/-	..			
7124	Complete with Lock 8744 (page 126)	..	37/9	..			

Prices include Wood Screws for fixing.



7110



A = Size of Backplate

7120

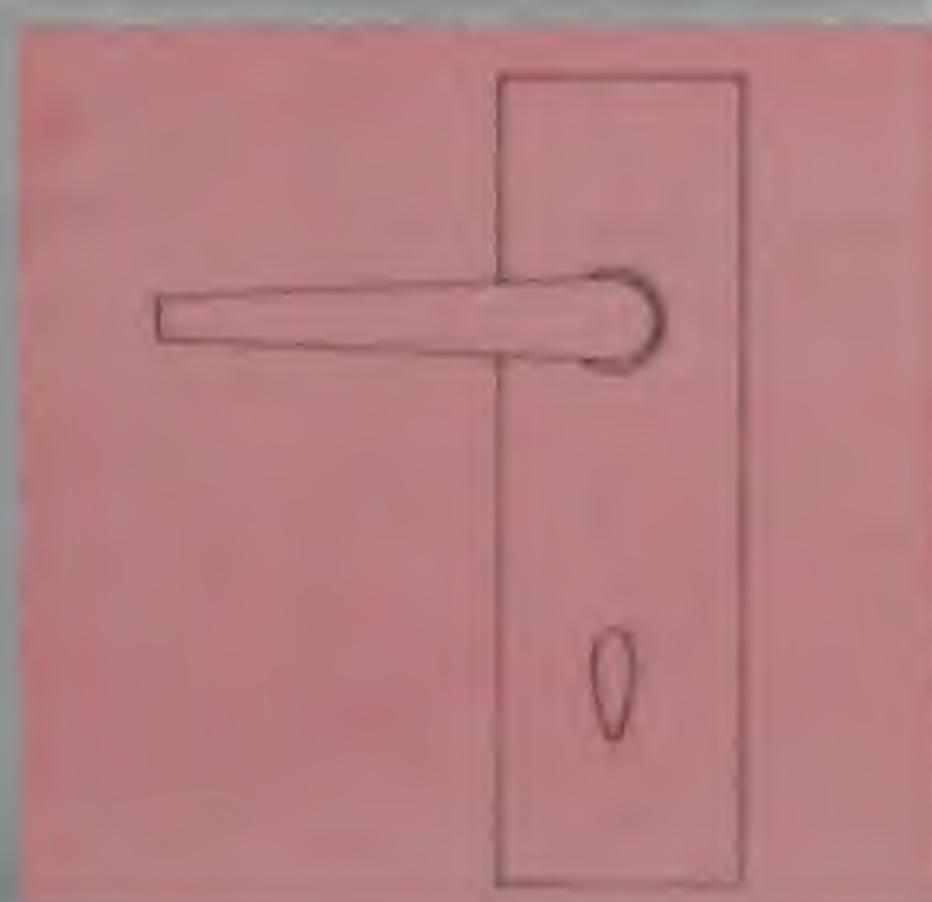
	A	B	C	F
7120	6" x 1 7/8"	4 7/8"	2 1/8"	4 1/4"
7110	3 3/4" x 1 7/8"	4 7/8"	2 1/8"	4 1/4"
7114	6" x 1 7/8"	4 7/8"	2 1/8"	4 1/4"
7124	6" x 1 7/8"	4 7/8"	2 1/8"	4 1/4"

The outside Backplate of pattern 7114 has an access hole for emergency use. Inside plate has locking snib.

The outside Backplate of 7124 has hole for mortice lock cylinder. Inside plate has locking snib and keyway to secure snib against turning.

Patterns 7114 and 7124 —please state hand. Illustrations show left hand sets.

Suitable Locks and Latches for use with above Furniture are shown on pages 120, 121 and 126.



Outside 7114 Inside



Outside 7124 Inside

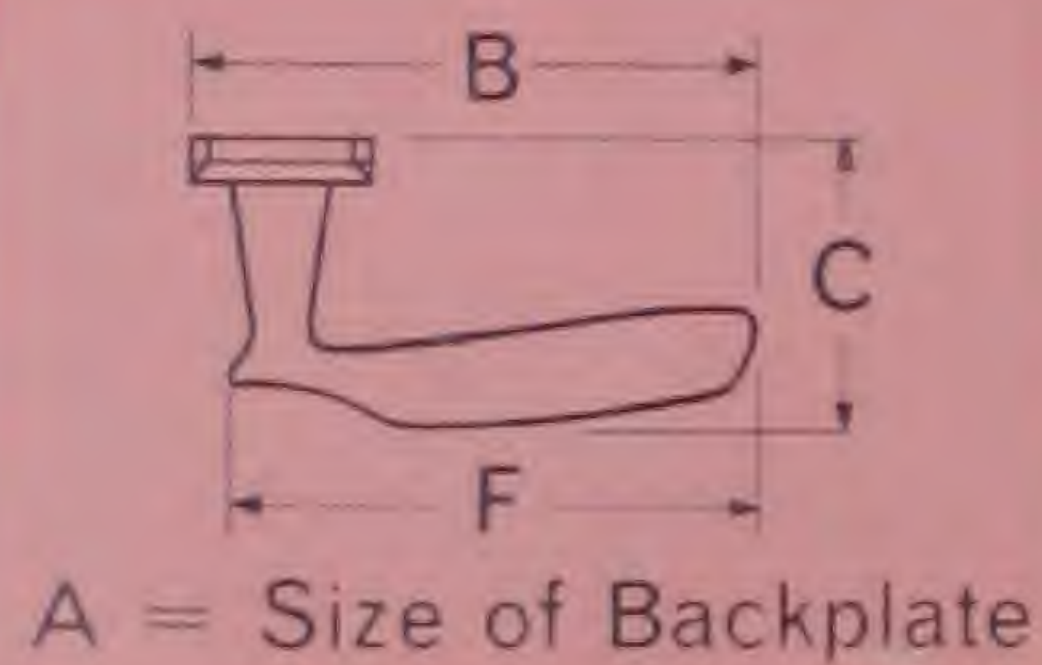
LEVER FURNITURE

SPRING-LOADED, PLAIN SPINDLES

Diecast Alloy	B.M.A. Finish	Polished C.P.	Satin C.P.
3701	13/9	16/-	16/- set
525	9/3	10/9	10/9 "
3703	12/9	14/6	14/6 "
545	11/3	12/-	12/- "
3702	11/6	13/-	13/- "
3908	11/-	12/9	12/9 "
	Real B.M.A.	Satin Nickel Bronze	
3711	37/-	37/-	set
550	23/9	23/9	"
3712	33/9	33/9	"
3916	29/3	29/3	"

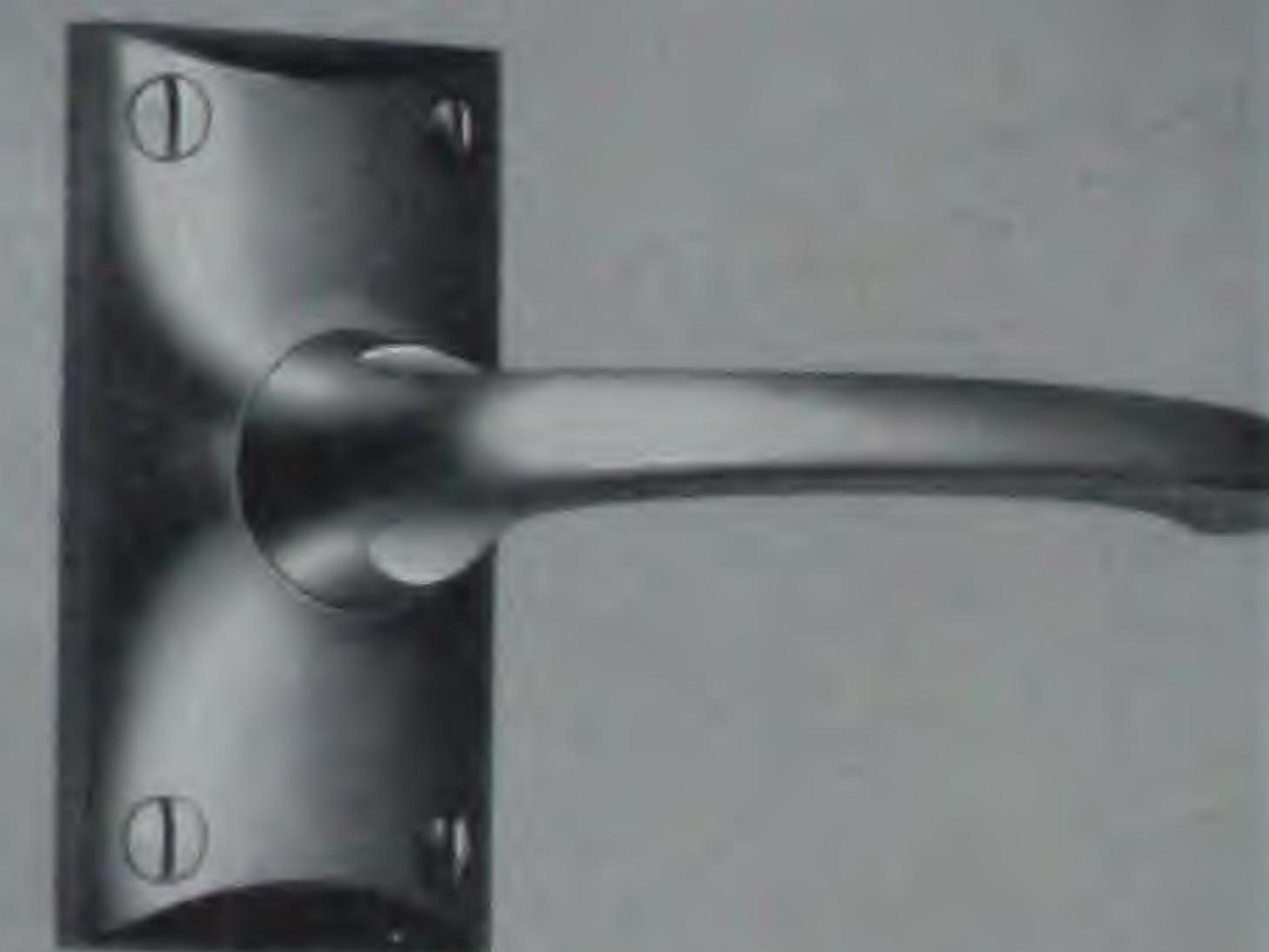
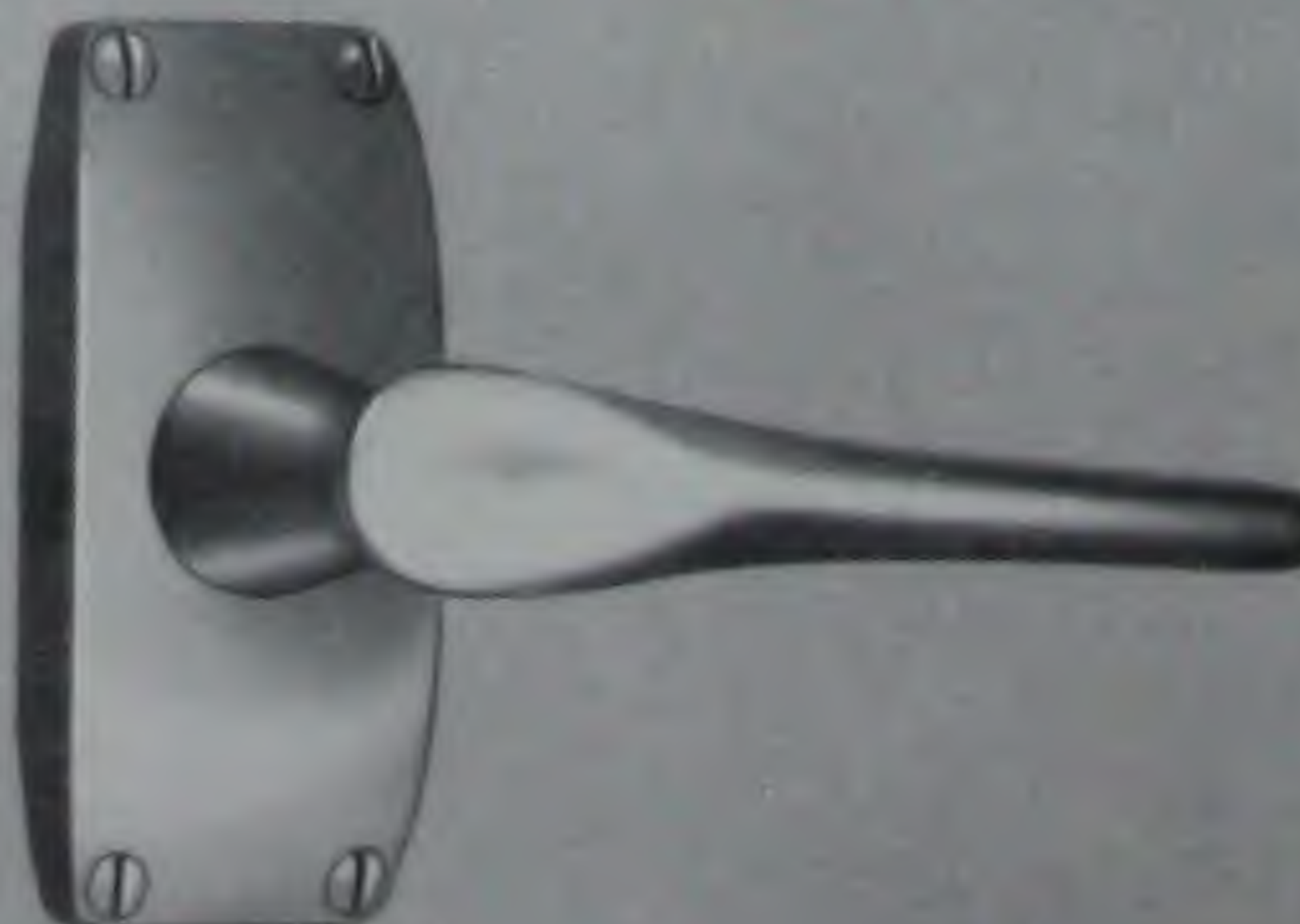
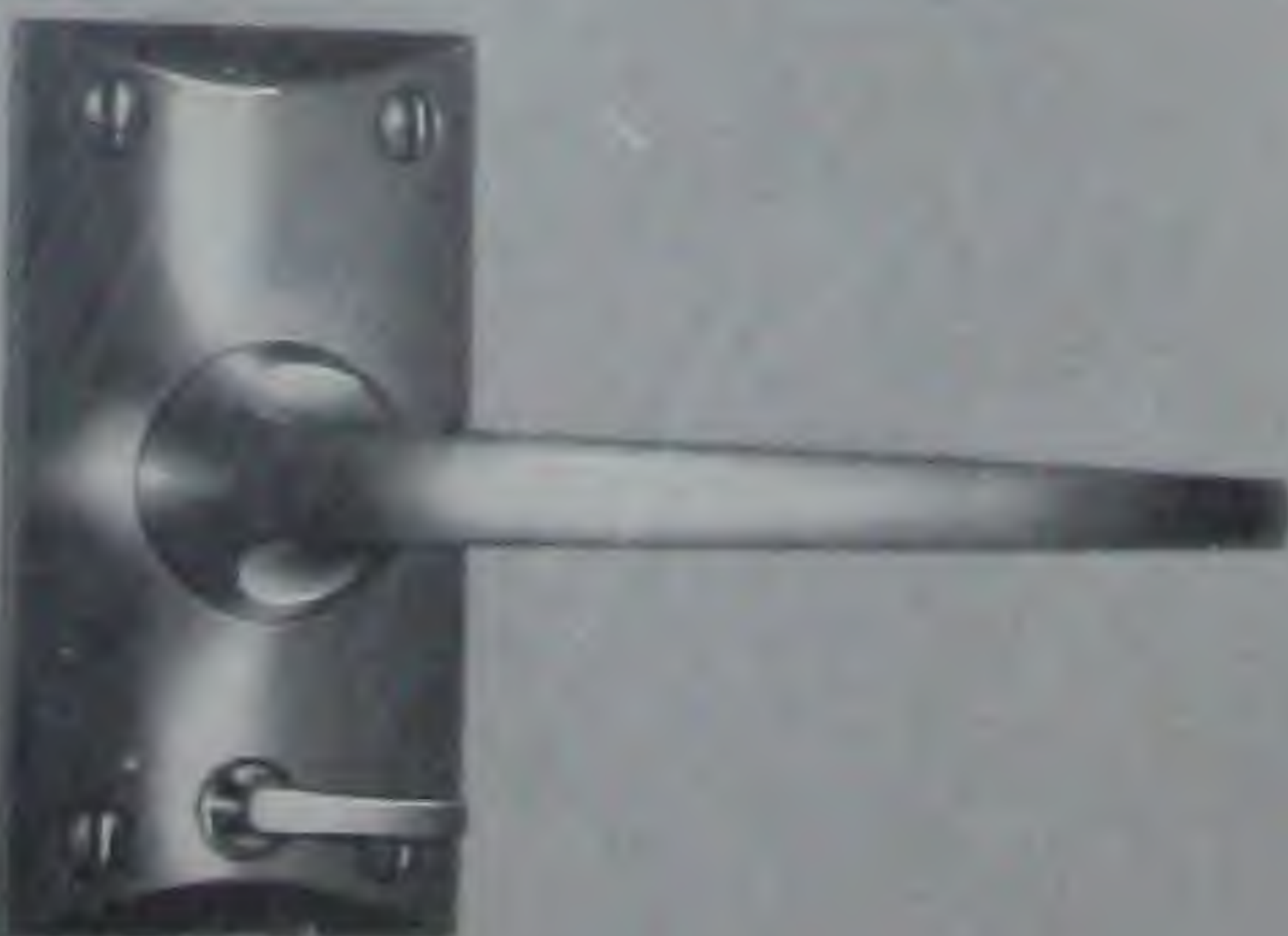
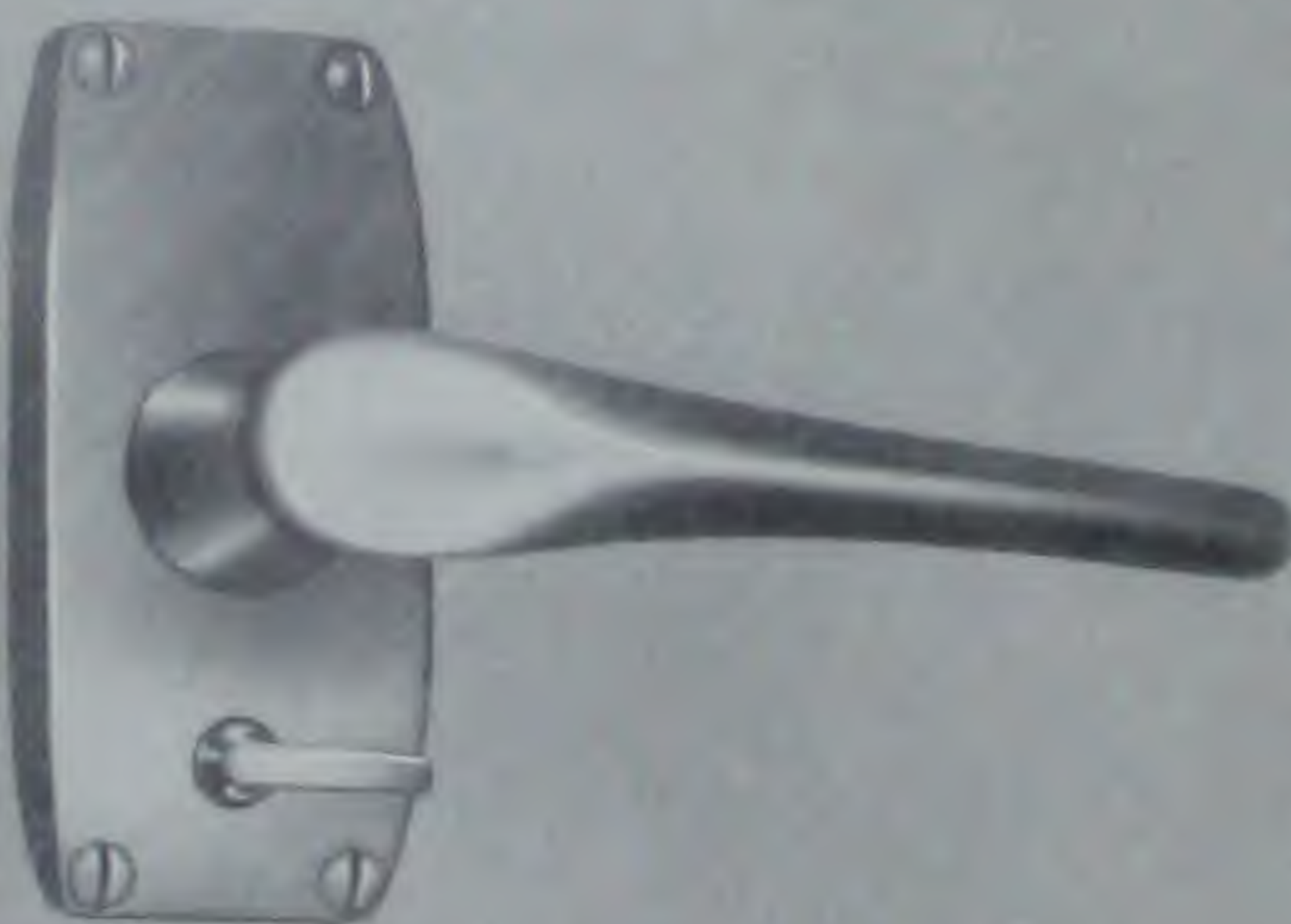
Prices include Wood Screws for fixing.

3701 & 3711



	3701 & 3711	3702, 3712 & 3703	3908 & 3916	525, 550 & 545
A	6 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ "	3 $\frac{1}{2}$ " x 1 $\frac{5}{8}$ "	6" x 1 $\frac{5}{8}$ "	3 $\frac{1}{4}$ " x 1 $\frac{5}{8}$ "
B	4 $\frac{3}{4}$ "	4 $\frac{3}{4}$ "	4 $\frac{3}{8}$ "	4 $\frac{3}{8}$ "
C	2 $\frac{5}{8}$ "	2 $\frac{5}{8}$ "	2 $\frac{3}{8}$ "	2 $\frac{3}{8}$ "
F	4 $\frac{3}{8}$ "	4 $\frac{3}{8}$ "	4"	4"

Handles 3703 and 545 have locking snib on inside backplate. Please state hand. Illustrations show right hand.



3703 (Top) 545 (Bottom)

3702 & 3712

525 & 550 (Top) 3908 & 3916 (Bottom)

LEVER FURNITURE

SPRING-LOADED. PLAIN SPINDLES.

		Florentine Bronze		Polished C.P.		Satin C.P.		Satin Bronze
3861	..	11/9	..	13/9	..	13/9	..	13/9 set
3862	..	10/-	..	11/6	..	11/6	..	11/6 "

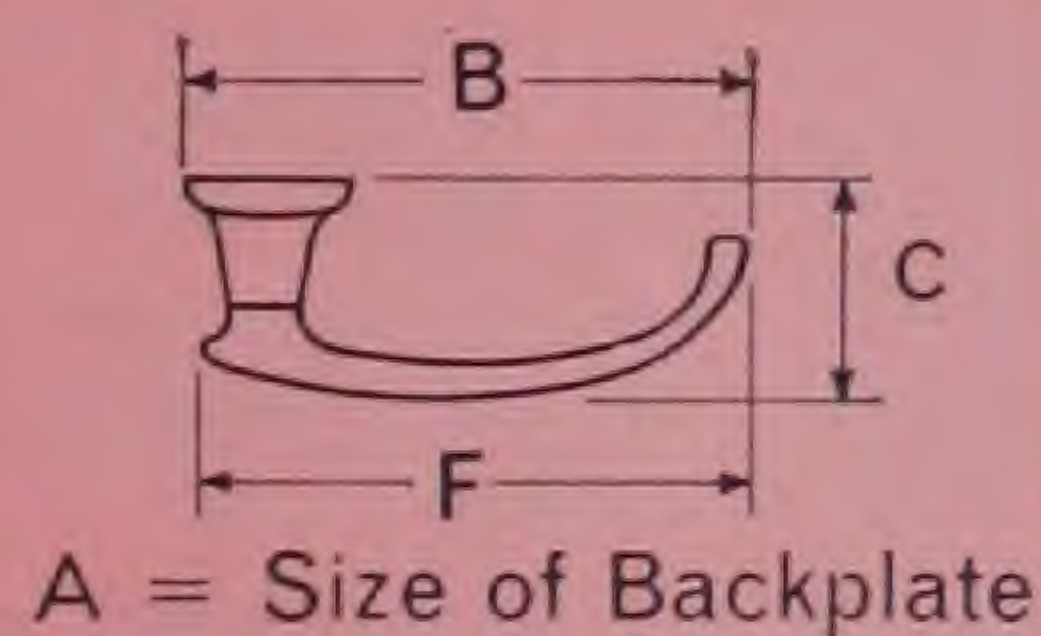
Finishes are on diecast alloy.

7382	Real B.M.A. or Satin C.P. on Brass	}	70/9 set
7383	" " " " " " " "				

Patterns 7382 and 7383 are priced complete with Cylinder Mortice Lock (see page 122).

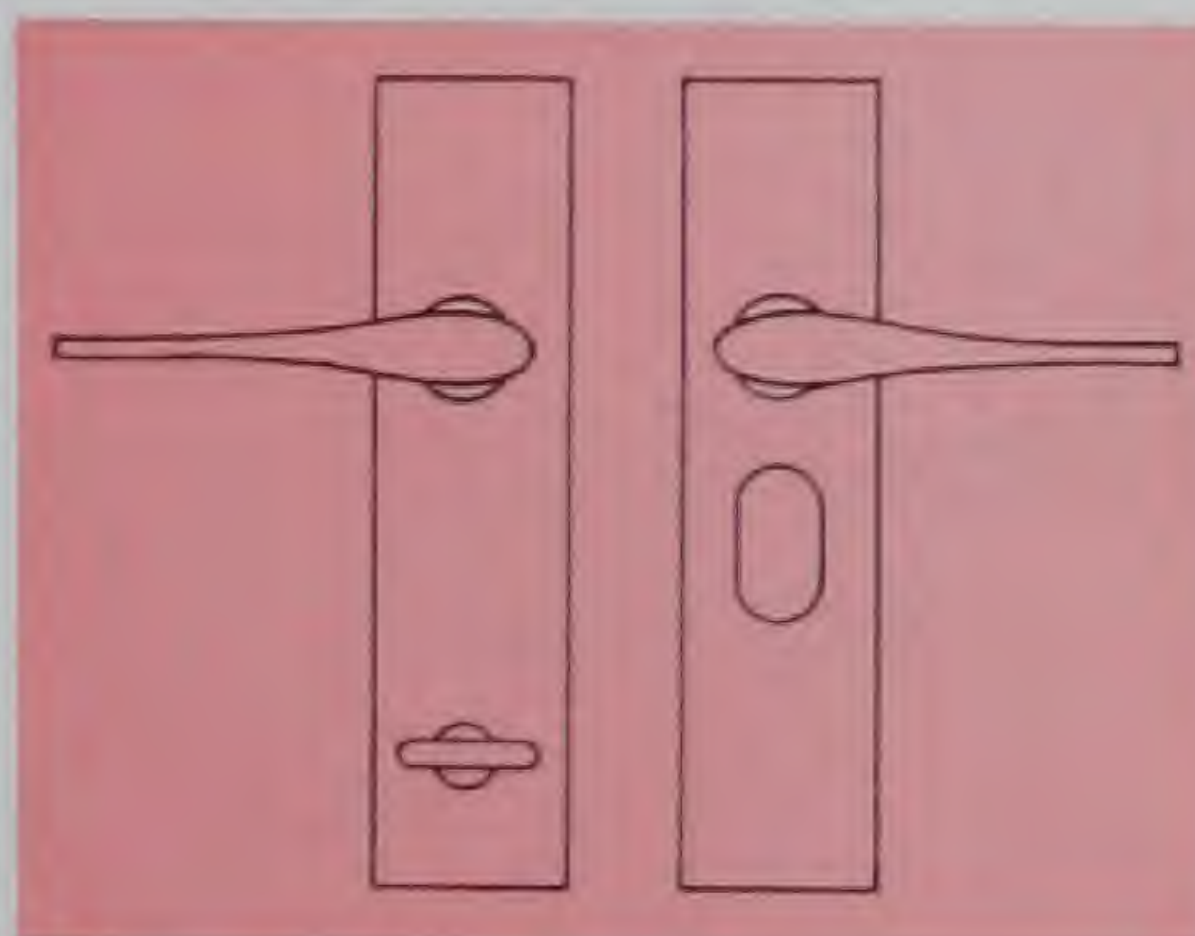
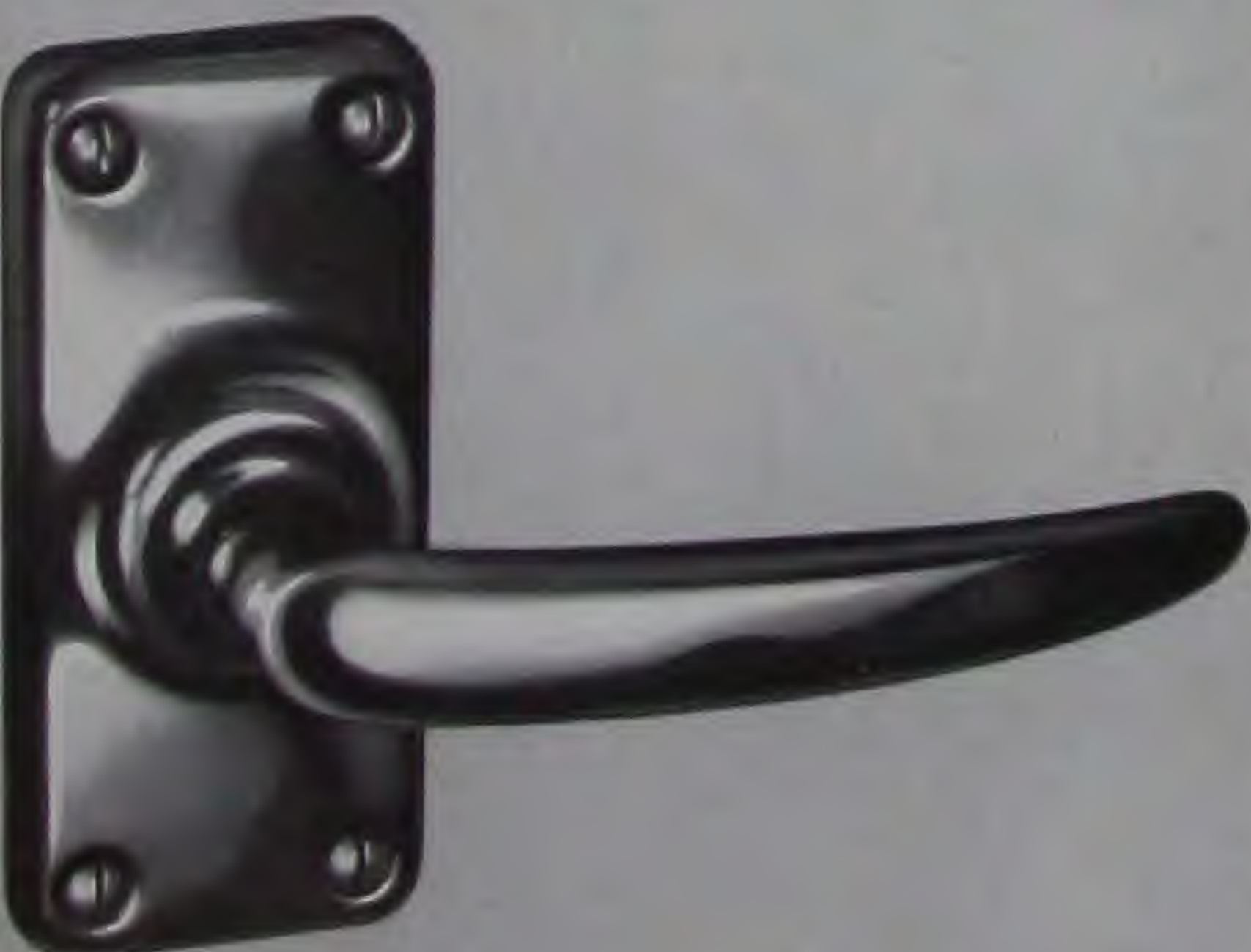
2933	Bronze Vitreous Enamelled on Cast Iron	..	9/- set
2932	" " " " " " " "	..	9/9 "

Prices include Wood Screws for fixing.



3861

	A	B	C	F
3861	6" x 1 5/8"	4 5/8"	1 3/4"	4 3/8"
3862	4" x 1 5/8"	4 5/8"	1 3/4"	4 3/8"
7382/3	7" x 1 5/8"	4 5/8"	1 3/4"	4 3/8"
2933	4" x 1 3/4"	4 7/8"	2 1/4"	4 1/4"
2932	6" x 1 3/4"	4 7/8"	2 1/4"	4 1/4"



7382
With inside
locking
turn.

7383
With
cylinder
aperture.

Design of Lever Handle is as 3861 and 3862. Please state hand required when ordering. Illustrations show left hand set.



3862 (Top) 2933 (Bottom)

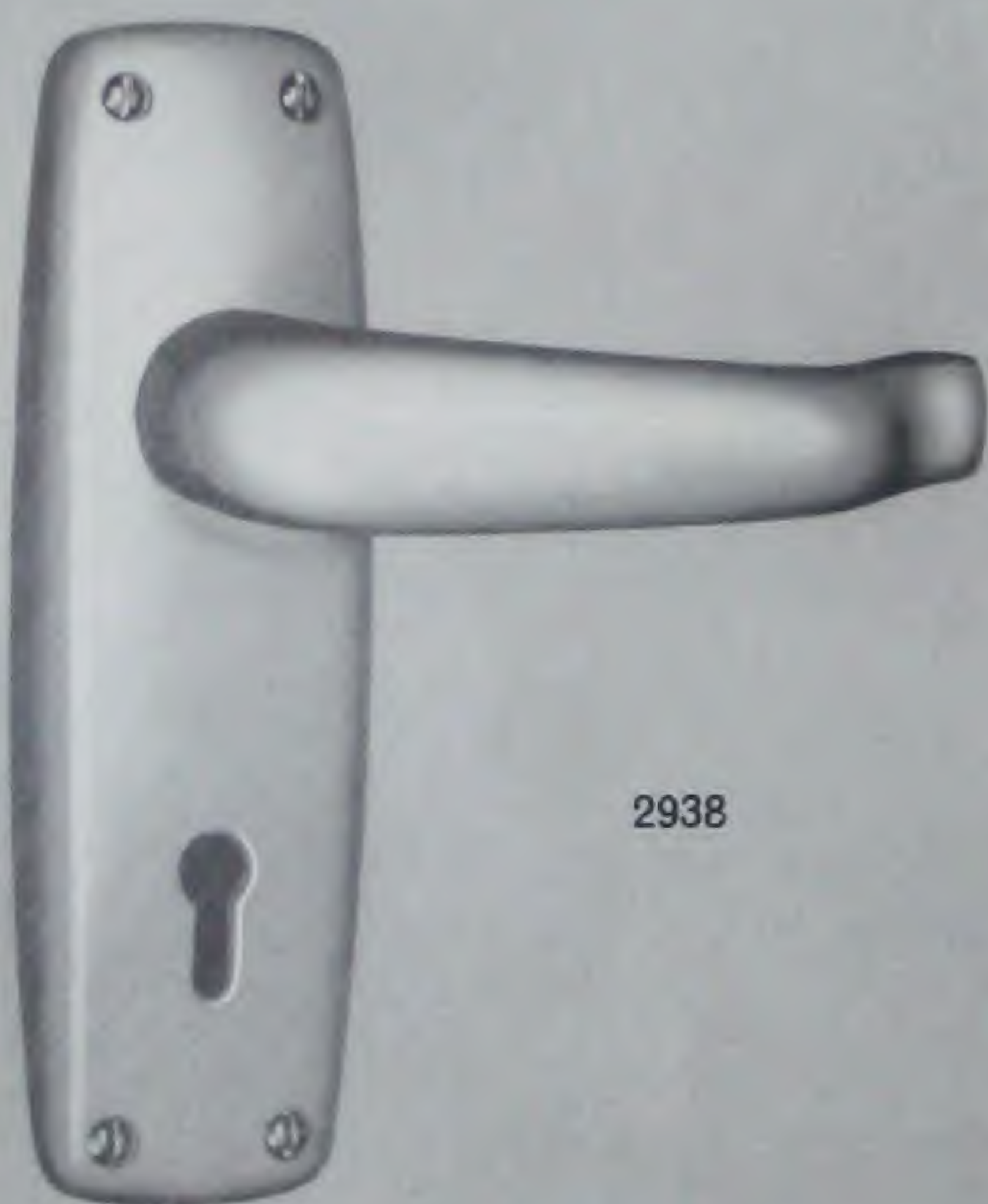
2932



A V O N W O R K S , B R I S T O L 3



7136



2938



7083



7006



7004

LEVER FURNITURE, ETC.

PLASTIC LEVER FURNITURE

Unsprung, Microtite Spindle. In a comprehensive range of colours.

7136. Plate $4\frac{3}{4}'' \times 2''$, Lever $4\frac{1}{4}''$. Spike-fixing at top, screw at bottom 10/6 set

Also available for use with mortice latch:—

7137. With 2" round backplate Spike-fixing 10/- set

Spring-loaded, Plain Spindle.

2938. Plate $6'' \times 1\frac{7}{8}''$, Lever $4\frac{1}{2}''$.

Black 9/9 set

Ivory or Grey 12/6 ..

Also available for use with mortice latch:—

1124. Plate $4'' \times 1\frac{7}{8}''$, Lever $4\frac{1}{2}''$

Black 9/3 set

Ivory or Grey 11/9 ..

FLUSH HANDLE FURNITURE

Set comprises a pair of Handles complete with plain spindle for use with mortice lock or latch.

7083 Ring Handle

Plate $3\frac{1}{2}'' \times 3\frac{1}{2}''$

Depth of mortice $\frac{5}{8}''$

Real B.M.A. 92/- set

Satin C.P. 101/- ..

7006 Ring Handle

Plate $5\frac{1}{4}'' \times 3\frac{1}{4}''$

Depth of mortice $\frac{5}{8}''$

Real B.M.A. 106/- set

Satin C.P. 114/- ..

7004 Lever Handle

Plate $5\frac{5}{8}'' \times 3\frac{1}{2}''$

Depth of mortice $1\frac{3}{16}''$

Real B.M.A. 115/- set

Satin C.P. 128/- ..

Prices include Wood Screws for fixing.

KNOB FURNITURE

BONE CHINA IN SUITES

Original designs, hand-painted in colours.

Drilled-through Spindles.

Suite comprises:—

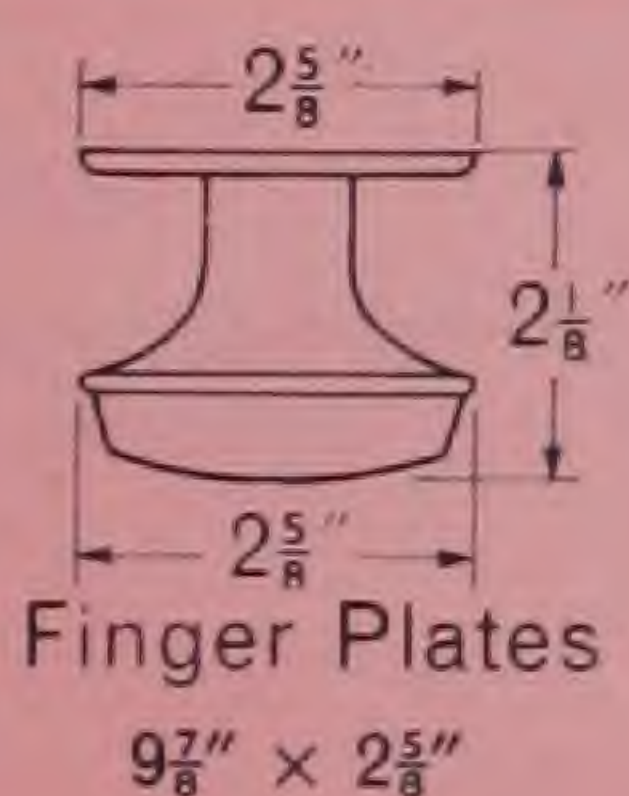
1 Door Knob, 1 Finger Plate and
1 Escutcheon.

- 7601 Woodland Grasses.
- 7603 Cotton Grass.
- 7604 Devonshire.
- 7605 April Girl.

All patterns . . . 57/6 Suite

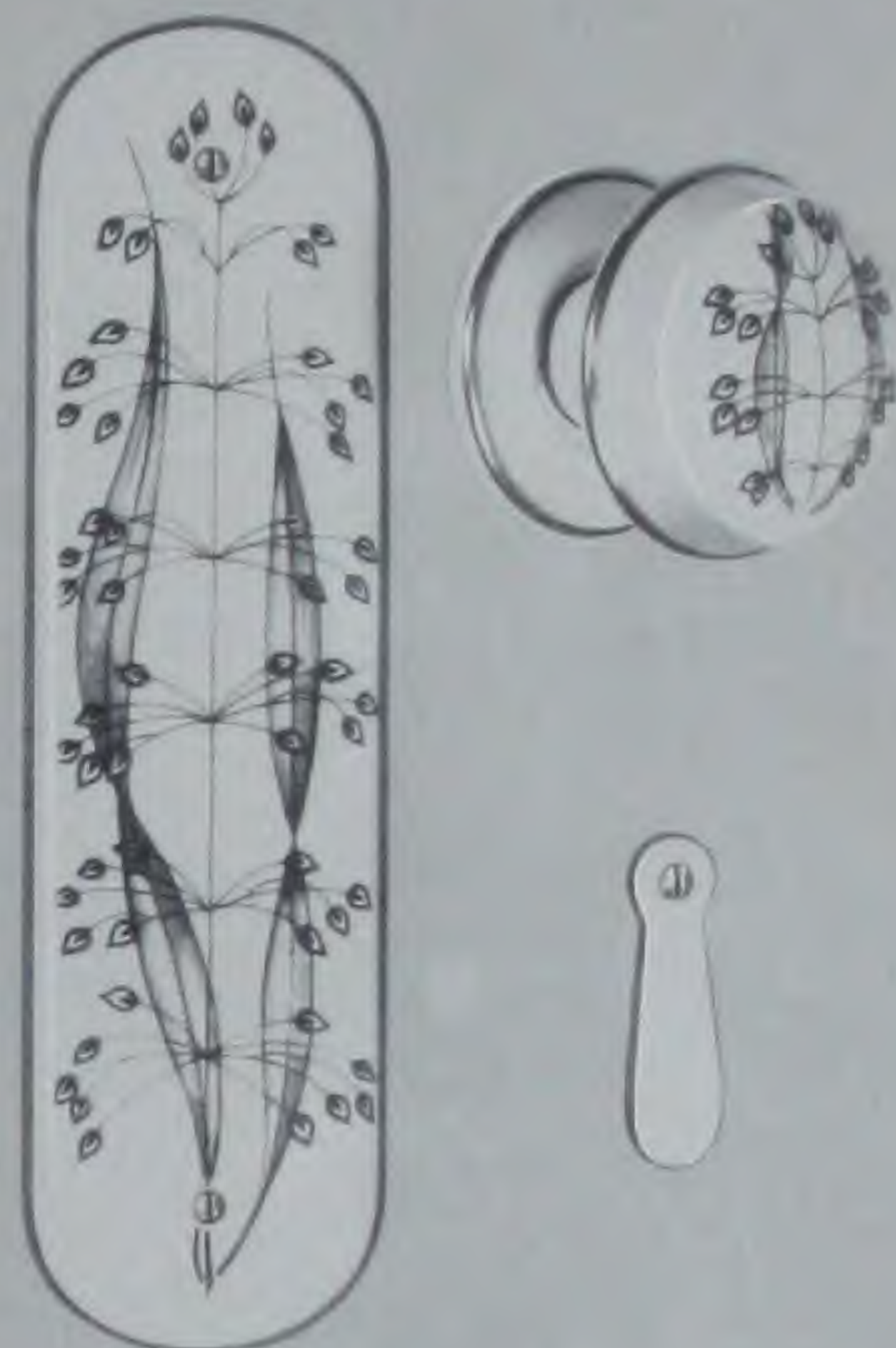
Price includes Wood Screws for fixing.

Further selection available.



Finger Plates

9 ⁷/₈ inch x 2 ⁵/₈ inch



7601



7603



7604



7605

KNOB FURNITURE

PERIOD SUITES

Fine Reproductions of exquisite design and workmanship in Hand-chased Cast Brass.

Finishes:—French Lacquer Gilt, Antique Brass or Antique Bronze. Door Knobs have Plain Spindles and concealed screw-fixing.

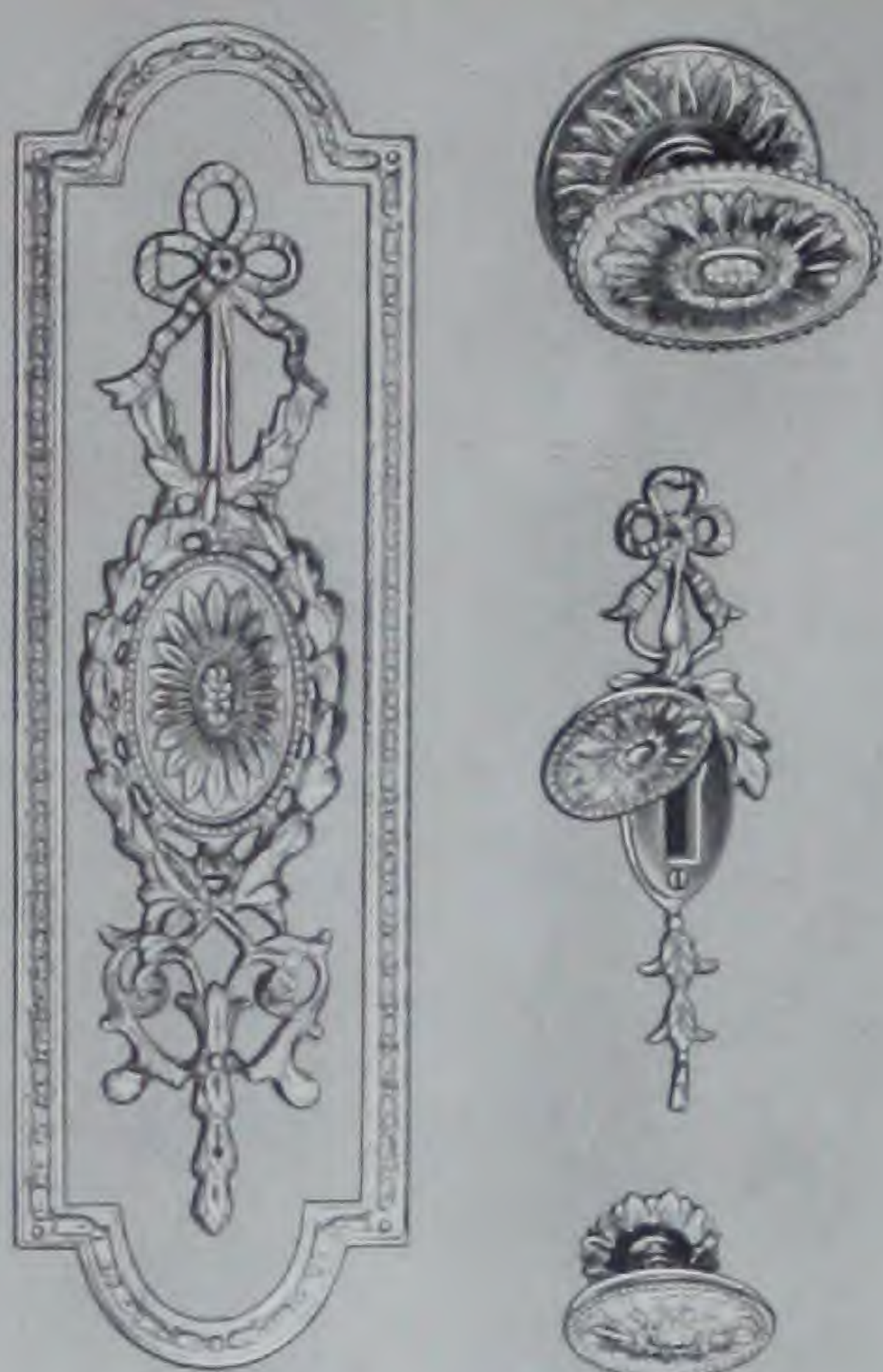
Suites comprise 1 Finger Plate, 1 Door Knob and 1 Escutcheon. Cupboard Knobs (as illustrated) extra if required.

Suite 7499	..	..	110/-
" 7569	..	..	110/-
" 7529	..	..	100/-

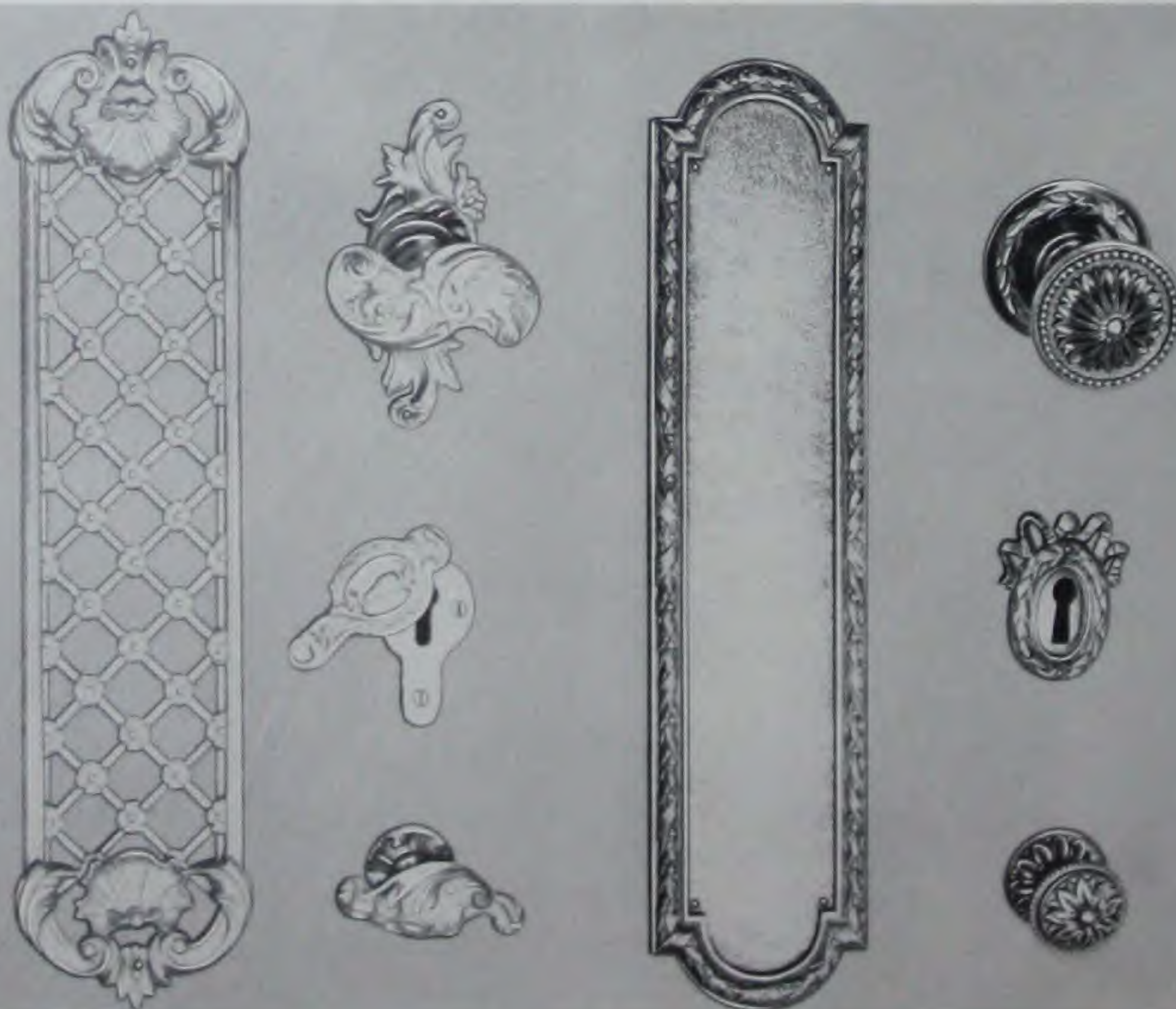
Prices include Wood Screws for fixing.

Individual items supplied separately if required.

Switch Plates, Lever Handles and Grip Handles are available in matching Period designs.



Suite 7499 Adam



Suite 7569 Louis XV

Suite 7529 Early Georgian

Dimensions of Principal Items

Suite No.	7499	7569	7529
Finger Plate	10½" x 3"	12¼" x 27⁄8"	11¾" x 2¾"
Door Knob:	2¾"	2½"	17⁄8"
Back-plate	2¼"	4" x 1⅝"	2⅛"
Pro-jection	2½"	2½"	2¾"

Suites on this page also available in Oxidised Silver or Butler's Silver Finish at an extra of 25%.

KNOB FURNITURE

PERIOD SUITES

Hand-chased. Cast Brass Reproductions.

Finishes: French Lacquer Gilt, Antique Brass or Antique Bronze.
Door Knobs have Plain Spindles and concealed screw-fixing.

Suites comprise 1 Finger Plate, 1 Door Knob and 1 Escutcheon.
Cupboard Knobs (as illustrated) extra if required.

Suite 7539	..	..	105/-
" 7589	..	..	110/-
" 7579	..	..	110/-

Prices include Wood Screws for fixing.

Individual items supplied separately if required.

Switch Plates, Lever Handles and Grip Handles are available
in matching Period designs.

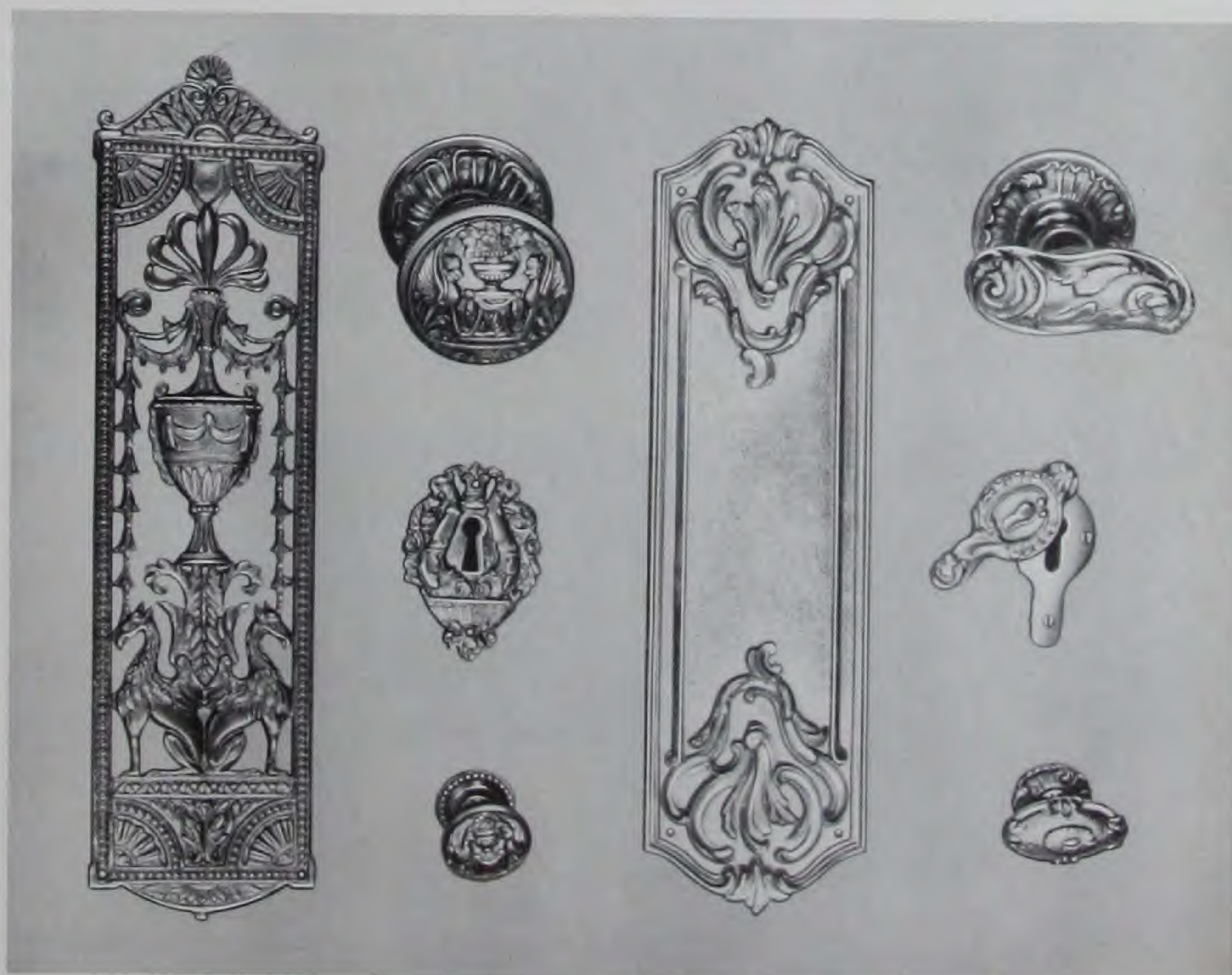


Suite 7539 Louis XV

Dimensions of Principal Items

Suite No.	7539	7589	7579
Finger Plate	10½" x 3"	11⅜" x 3"	11" x 3"
Door Knob:	2⅞"	2¼"	2"
Back-plate	2⅛"	2¼"	2½"
Pro-jection	2⅝"	2⅝"	2½"

Suites on this page also available in
Oxidised Silver or Butler's Silver
finish at an extra of 25%.



Suite 7589 Regency

Suite 7579 Louis XV



A V O N W O R K S , B R I S T O L 3



7508 (Top)
Floral Spray in
Colours

7509 (Bottom)
Mimosa in Colours



KNOB FURNITURE

ACRYLIC PLASTIC KNOBS

Oxidised Brass Backplates, $2\frac{1}{4}$ " diameter.

Plain Spindles.

Complete with Oxidised Brass Escutcheons. Every design is individually produced and hand-coloured. The highly polished Acrylic Plastic gives an intriguing lens effect.

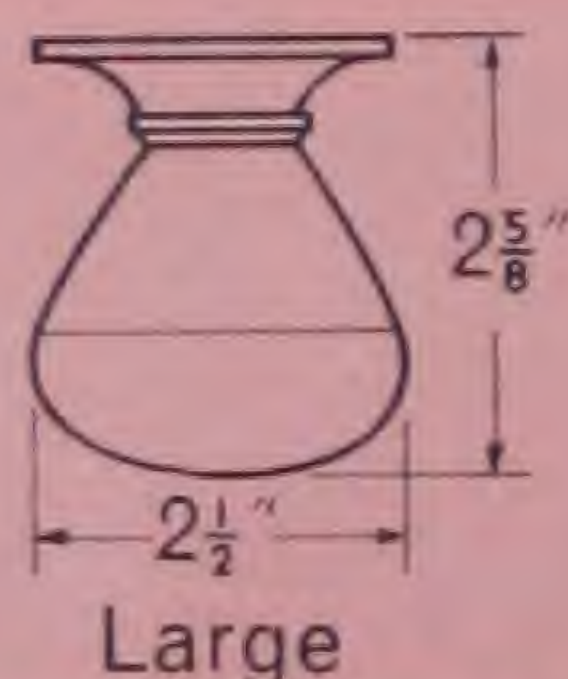
The designs illustrated are a selection from the full range available. Details of other designs sent on application.

Prices all patterns:—

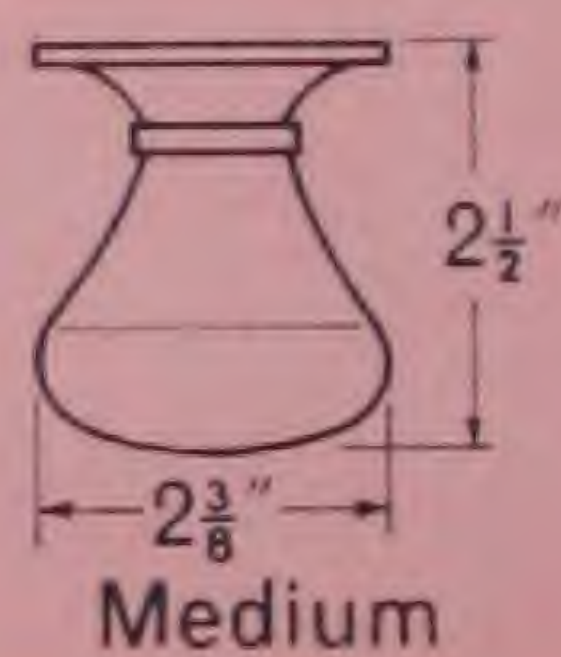
Large	..	..	..	135/-	set
Medium	..	..	..	100/-	„
Small	..	..	..	75/-	„

Half-sets supplied if required.

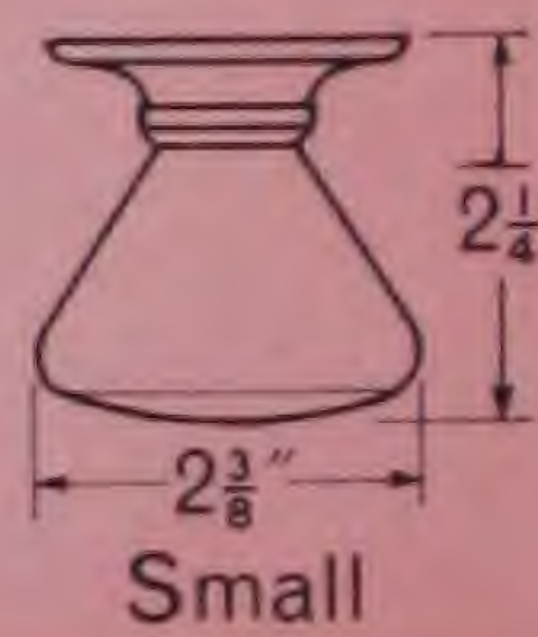
Prices include Wood Screws for fixing.



Large



Medium



Small

Also available with Backplates in Polished Brass, Polished C.P. or Satin C.P. Half sets supplied if required.

When ordering, please state:—
Pattern number.

Size (Large, Medium or Small).
Background Colour (White, Black,
Translucent Blue or Green).

Body Colour (White or Black).



7501
Veil tail Fish in Colours



7506
Horse in Gilt



7507
Small Horses in Gilt

KNOB FURNITURE

"MILLEFIORI" SERIES 7502

Plain Spindles.

With inherited skill, cross-sections of glass rods are encased in clear polished glass.

This is an old glass-blowing craft which has survived throughout more than three centuries.

Illustrated are two examples of the patterns produced in this way, but the range obtainable is infinite.

Each pattern is individual and all are of exquisite beauty.

As no two knobs are identical, the price is for a half-set or single knob only.

With Bronze Anodised
Backplates and Necks .. 32/- each

When ordering, please state the predominant colouring required.

CLEAR PERSPEX

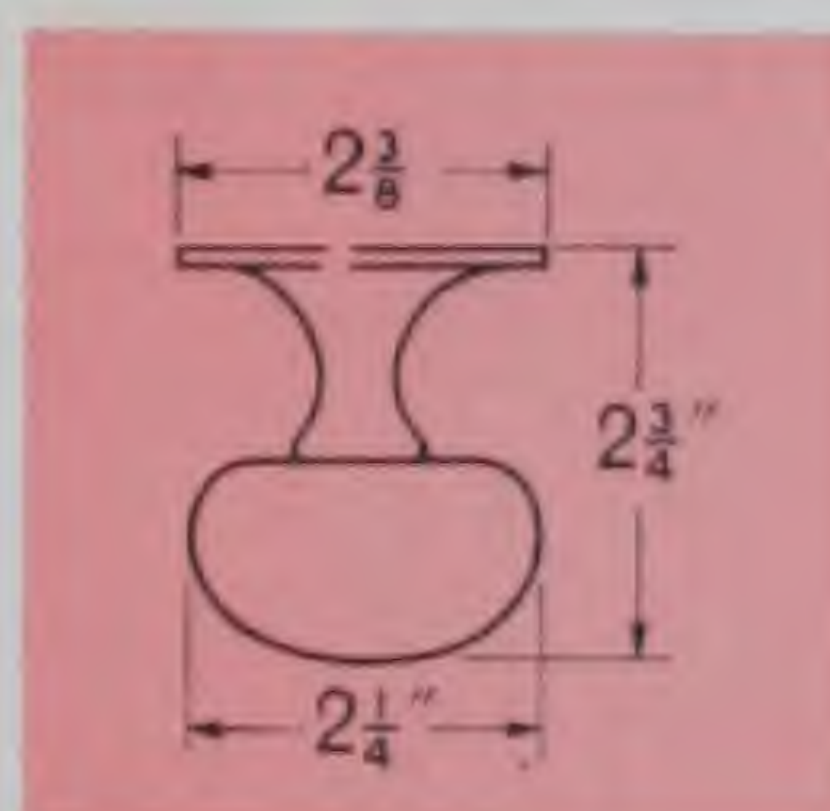
Plain Spindles.

Cut from solid block Perspex specially hardened, and will not break or chip. Reflects all the colours of the spectrum.

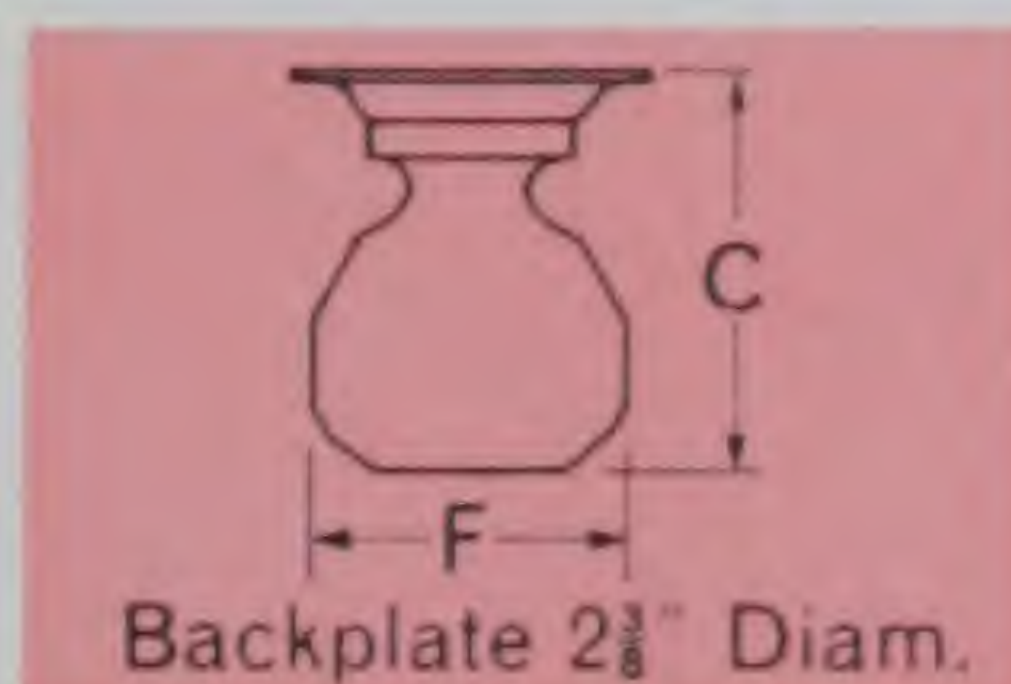
4585 }
 4583 } With Polished C.P. Backplates
 7505 } All Patterns .. 43/6 set

All prices include Wood Screws for fixing.

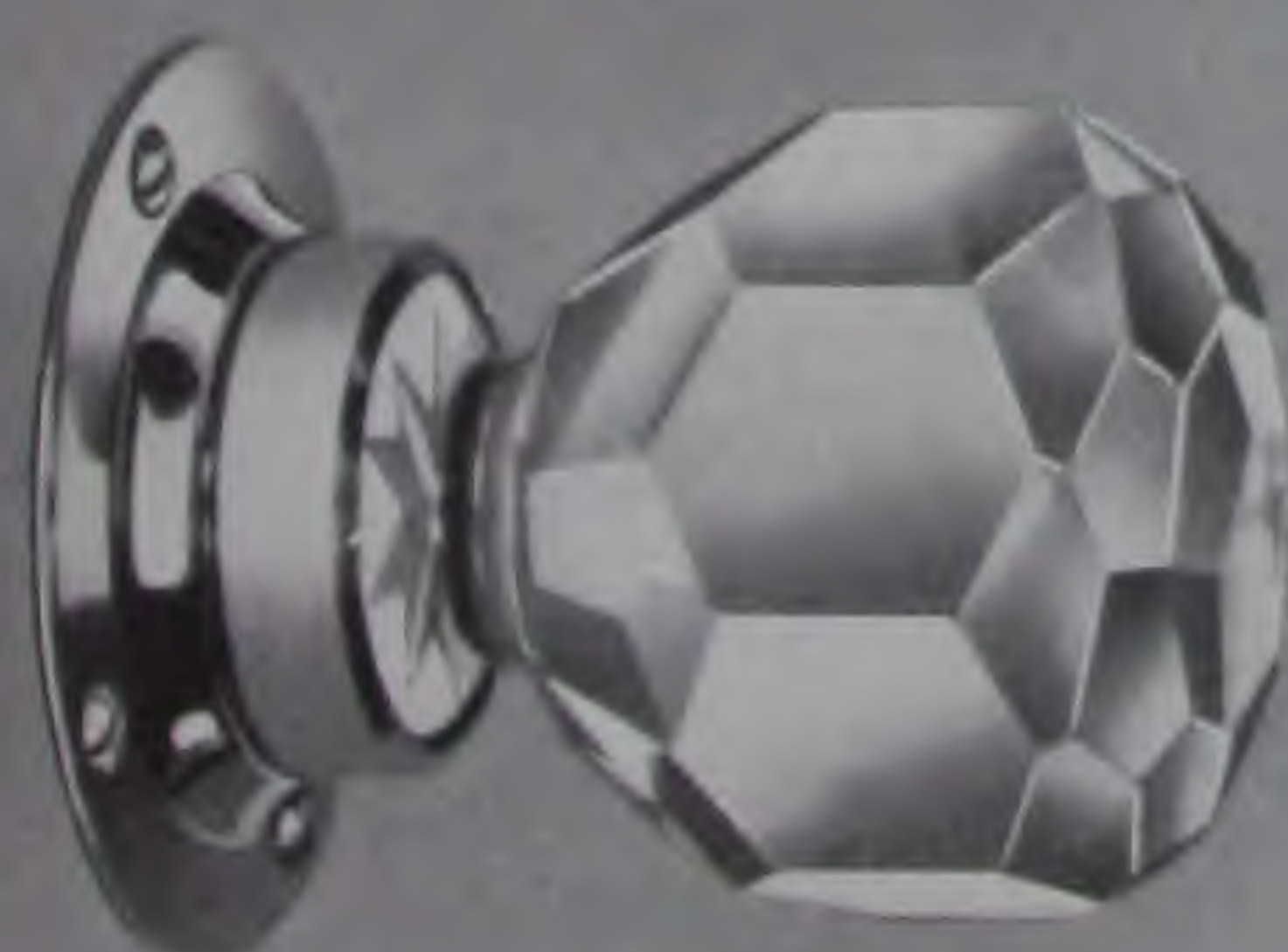
Also available in Amber, Ruby, Emerald and Sapphire—
Prices on application.



7502



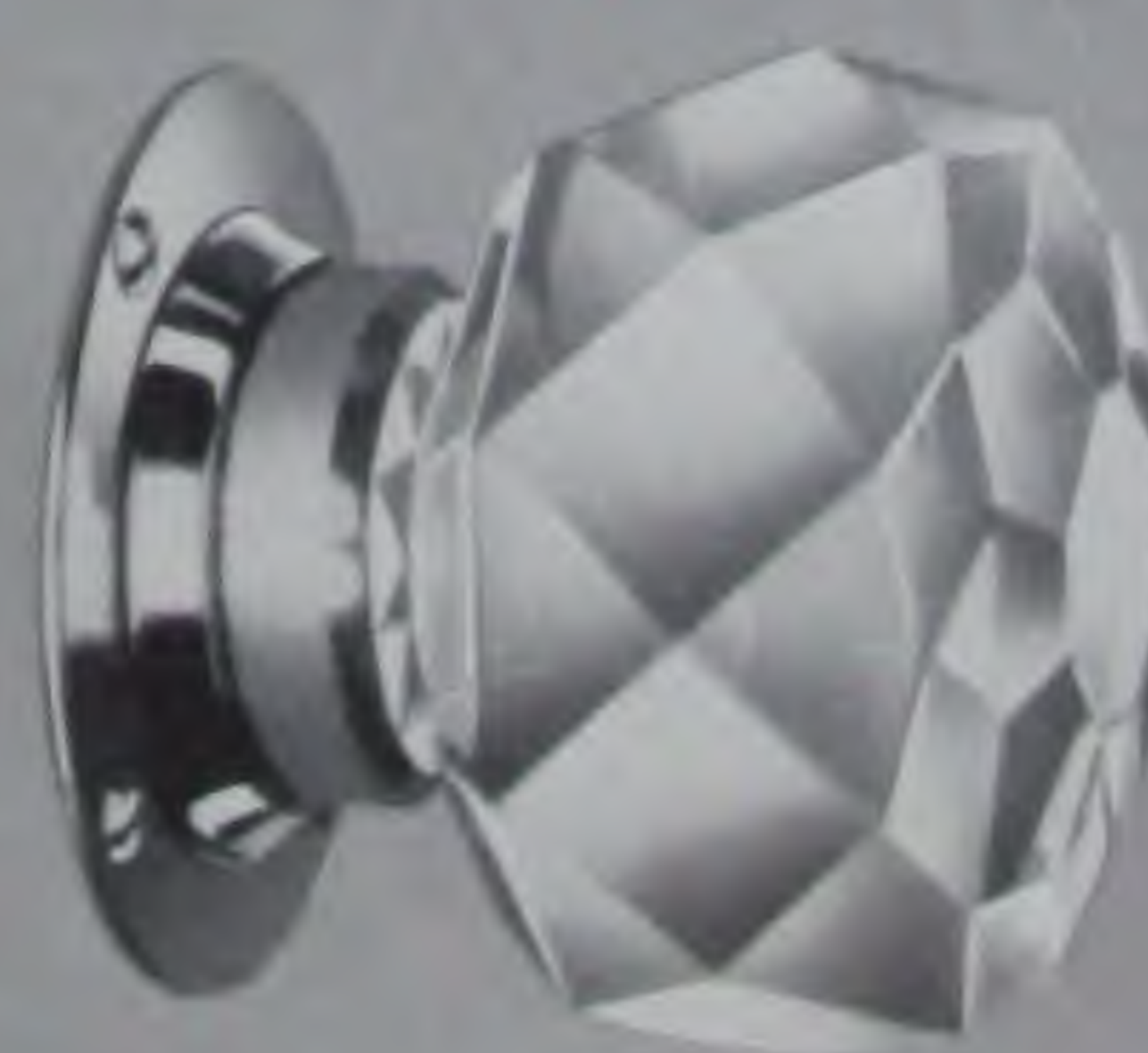
	C	F
4585	2 3/8"	2"
4583	2 1/4"	2 3/8"
7505	2 3/8"	2 3/8"



4585



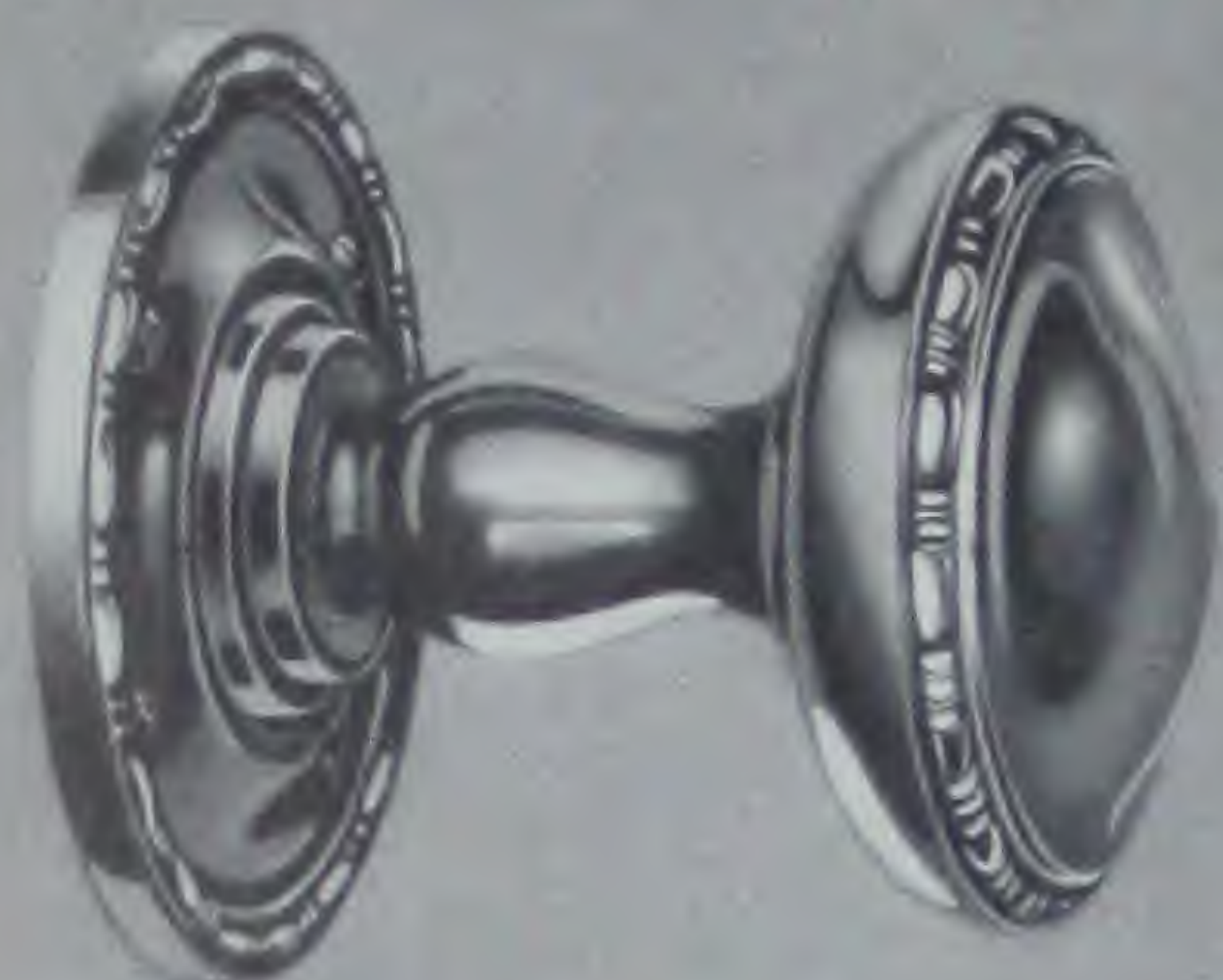
4583



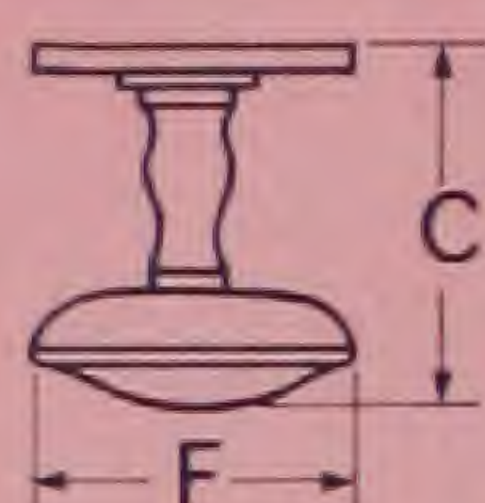
7505



A V O N W O R K S , B R I S T O L 3



3215



A = Size of
Backplate

KNOB FURNITURE

PLAIN SPINDLES

Complete with suitable Escutcheons for use with Mortice Locks.

				Real B.M.A.	Satin Brass	Satin Bronze	
3215	..	..	..	90/-	86/6	90/-	set
7635	..	..	..	71/-	67/6	71/-	"
3213, 2"	..	..	..	80/6	78/-	80/6	"
3213, 2½"	..	..	..	88/-	84/-	88/-	"
7629	..	..	..	49/6	42/-	49/6	"
3210	..	..	..	77/-	74/-	77/-	"
7636	..	..	..	54/-	50/6	54/-	"

Prices include Wood Screws for fixing.

	A	C	F
3215	2½"	2⅝"	2"
7635	2⅜"	2⅝"	2"
3213	2½"*	2⅝"	2"*
3213	2⅞"*	2⅝"	2½"*
7629	2⅜"	2½"	2"
3210	2½"	2⅜"	2"
7636	2⅝"	2½"	2⅛"

*Measured across flats.



7635



3213



7629



3210



7636

KNOB FURNITURE

PLAIN SPINDLES

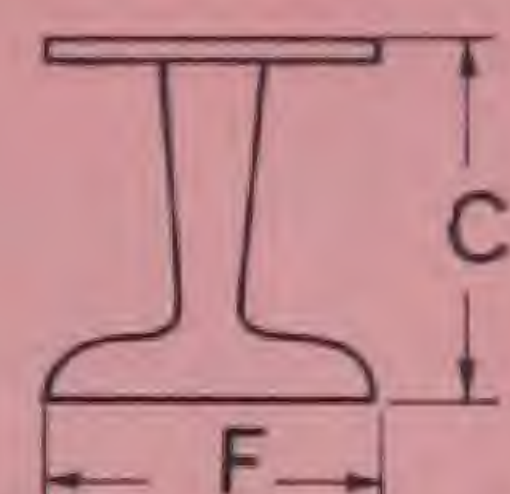
Complete with suitable Escutcheons for use with Mortice Locks.

				Real B.M.A.	Polished C.P.	Satin C.P.	
3193	..	..	..	64/-	72/-	72/-	set
3189	..	..	..	31/6	37/-	37/-	"
3188	..	..	..	31/6	37/-	37/-	"
2338	..	..	..	26/6	30/-	33/-	"
2335	..	..	..	24/6	29/-	32/-	"
3191	..	..	..	32/-	36/-	36/-	"

2338 and 2335 also available for use with Rim Locks.

Prices include Wood Screws for fixing.

	3193	3189	3188	2338	2335	3191
A	5" x 2"	5" x 2"	5" x 2"	2 ³ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "
C	2 ¹ / ₈ "	2 ³ / ₄ "	2 ¹ / ₄ "	2 ³ / ₄ "	2 ³ / ₈ "	2 ¹ / ₂ "
F	2 ¹ / ₄ "	1 ³ / ₄ "	2 ³ / ₈ "	1 ³ / ₄ "	2 ³ / ₈ "	2"



A = Size of
Backplate

3193



3189



3188



2338



2335 (Top) 3191 (Bottom)





OGRO

KNOB FURNITURE

With "OGRO" Spindle Fixing (see page 42)

"Ogro" Knob Furniture is made from a special non-corrosive light metal alloy.

Backplates are fitted with nylon bush.

Finish: Satin Silver Gold

7630/7097	..	25/-	29/- set
7630/7091	..	17/-	19/6 "
7631/7090	..	24/-	28/- "
7632/7092	..	33/-	38/- "
7632/7093	..	34/-	39/6 "

Patterns 7093 and 7097 have press-in taper pin fixing at top, screw fixing at bottom.

Pattern 7631/7090 has concealed screw fixing.

All prices include Wood Screws.

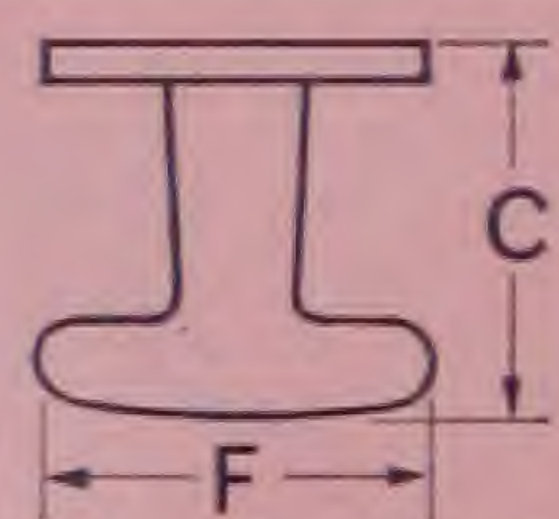
"OGRO"

INTERCHANGEABILITY

Any of the Knobs shown can be supplied in combination with any of the Backplates on this page or on pages 41 to 43.

The first part of the article number refers to the Knob and the second part to the Backplate, e.g., Knob 7630 with Backplate 7093 would be 7630/7093.

7630/7097



A = Size of Backplate

	A	C	F
7630/7097	$6\frac{7}{8}" \times 1\frac{3}{4}"$	$2\frac{1}{4}"$	2"
7630/7091	$1\frac{7}{8}"$	$2\frac{1}{8}"$	2"
7631/7090	2"	$2\frac{7}{8}"$	2"
7632/7092	$2\frac{3}{8}" \times 2\frac{1}{8}"$	$2\frac{3}{8}"$	$2\frac{1}{8}"$
7632/7093	$6\frac{1}{16}" \times 1\frac{9}{16}"$	$2\frac{1}{2}"$	$2\frac{1}{8}"$

For suitable Locks and Latches see pages 118 and 121.

Escutcheons to suit are shown on pages 41 and 43.



7630/7091 (Top)

7631/7090 (Bottom)

7632/7092

7632/7093

KNOB FURNITURE

PLAIN SPINDLES

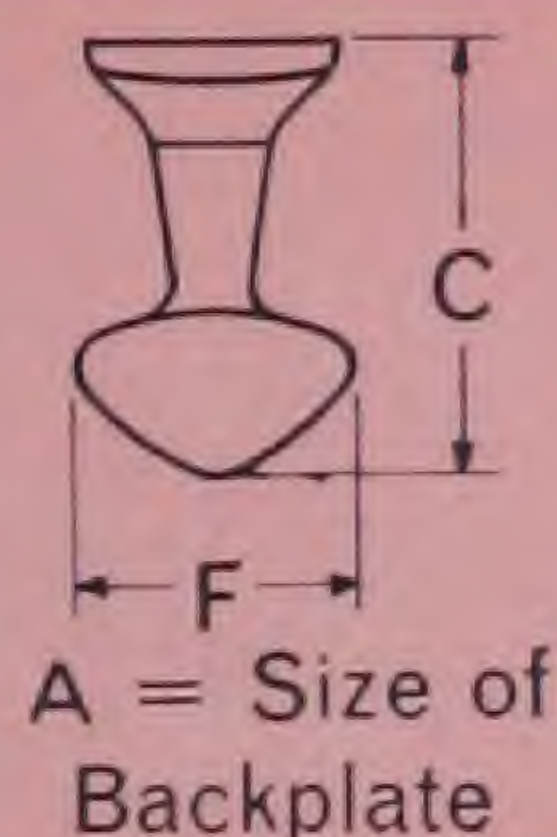
Complete with suitable Escutcheons for use with Mortice Locks (except 7620).

				Real B.M.A.	Satin C.P.	Satin Nickel Bronze	
7620	..	..	..	44/-	46/-	48/-	set
7621	..	..	..	38/-	40/-	42/-	"
7622	..	..	..	44/-	46/-	48/-	"
3205	..	..	..	31/-	34/-	37/6	"
3207	..	..	..	31/-	34/-	37/6	"
3200	..	..	..	27/6	31/-	34/-	"

Prices include Wood Screws for fixing.
Pattern 7622 has concealed screw fixing.

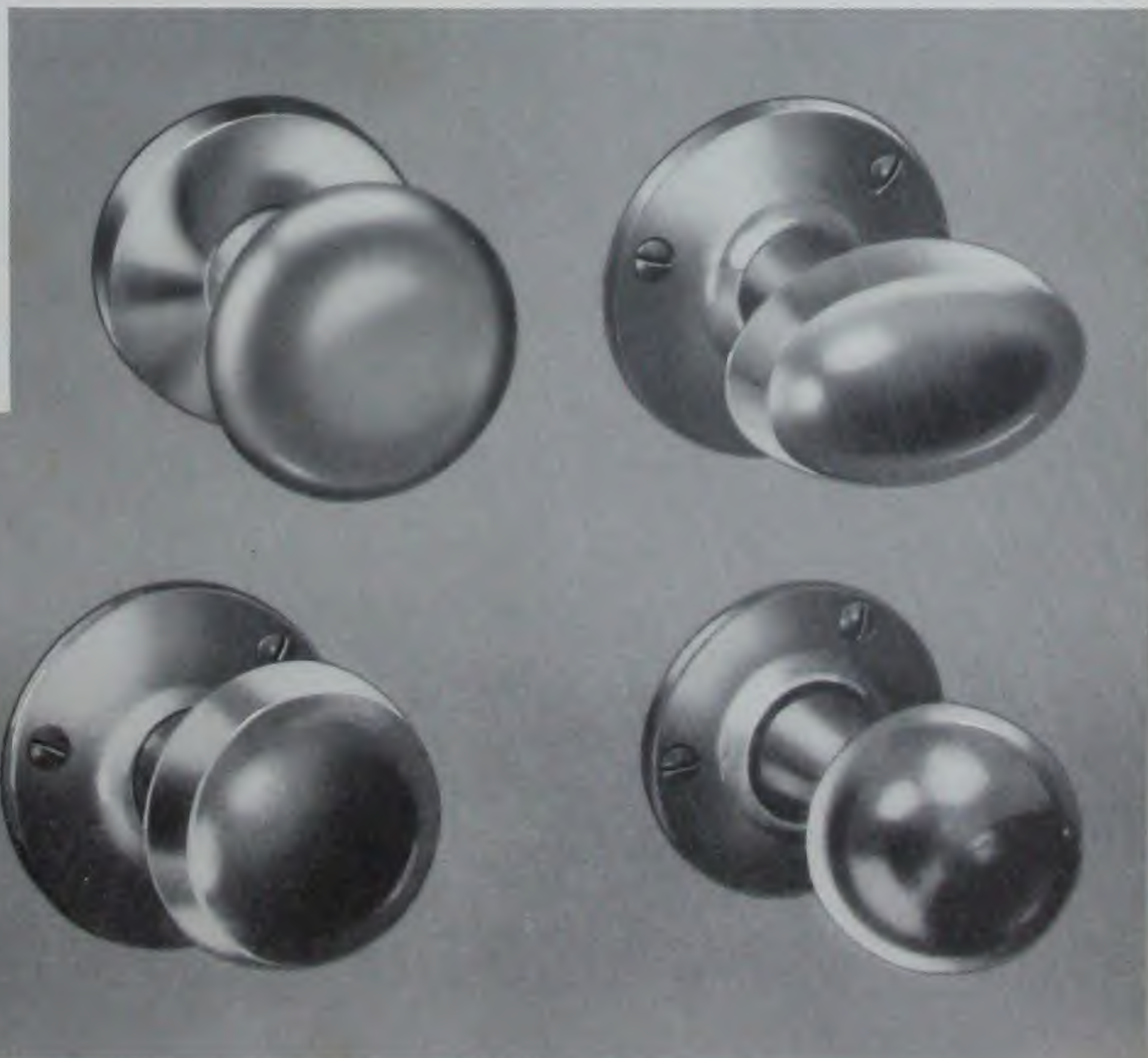
If preferred, 7620, 7621 and 7622 can be supplied in combination with any of the backplates shown with these knobs.

Knob Furniture on this page is also available in Satin Brass, Satin Bronze or Satin Nickel Plated.



7620

	A	C	F
7620	6" x 1 5/8"	2 7/8"	2"
7621	3 1/2" x 1 5/8"	2 3/8"	2"
7622	2 1/8"	2 1/2"	2"
3205	2 3/8"	2 1/4"	2"
3207	2 3/8"	2 3/8"	2 1/4"
3200	2 1/8"	2 7/8"	1 5/8"



7621

7622 (Top)

3205 (Bottom)

3207 (Top) 3200 (Bottom)



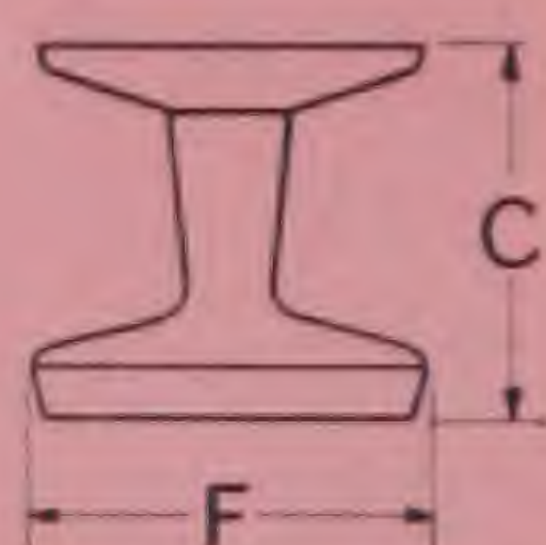
KNOB FURNITURE

With 7681 Spindle Fixing (as described below).

Backplates with concealed screw-fixing.

Complete with suitable Escutcheons for use with Mortice Locks.

7624

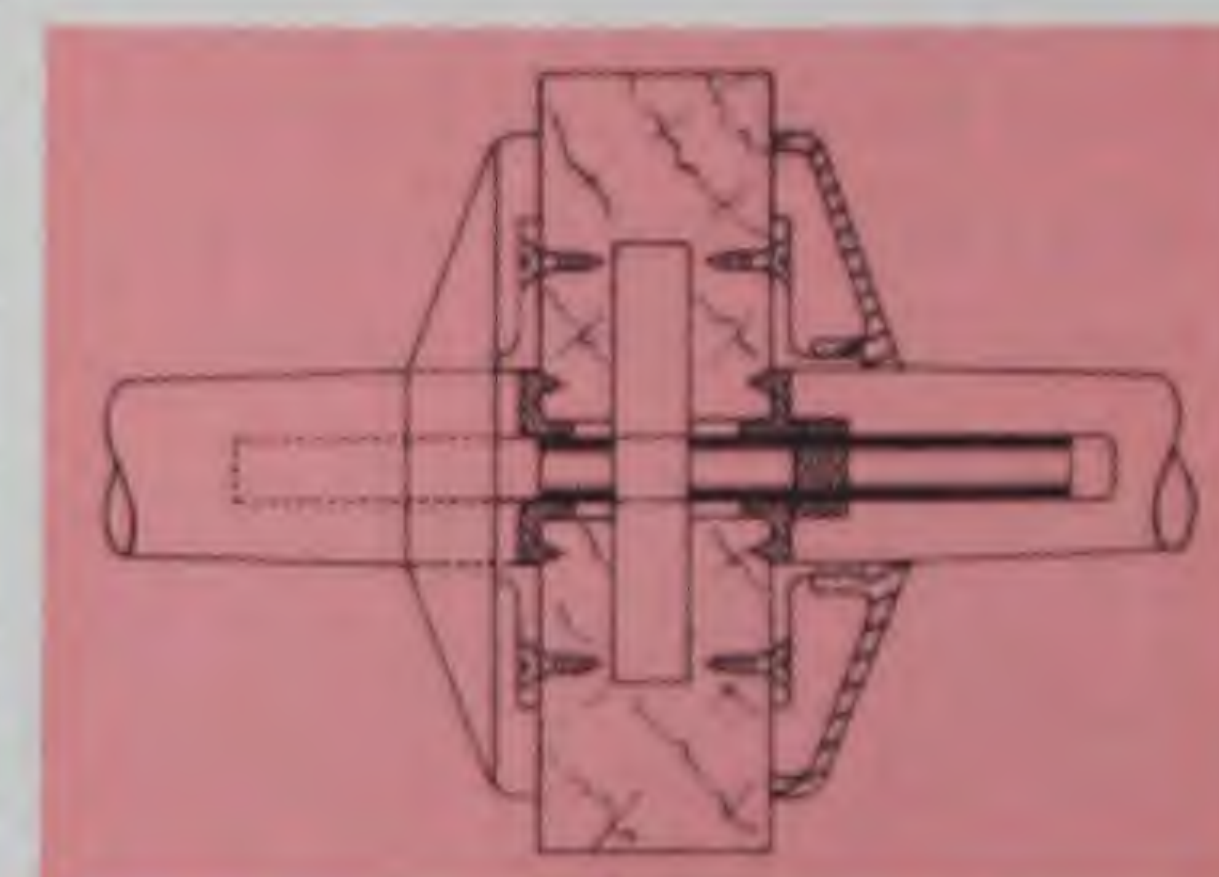


A = Size of Backplate

			Real B.M.A.	Satin C.P.	Satin Nickel Bronze	
7624	..	..	59/-	66/-	70/-	set
7627	..	..	37/-	41/-	44/-	"
7625	..	..	39/-	43/-	46/-	"
7626	..	..	37/-	41/-	44/-	"
7628	..	..	35/-	39/-	42/-	"

Prices include Wood Screws for fixing.

	A	C	F
7624	2 1/8"	2 1/4"	2 5/8"
7627	2 1/8"	3"	1 3/4"
7625	2 1/8"	2 1/4"	2 5/8"
7626	2 1/8"	2 1/2"	2"
7628	2 1/8"	2 1/4"	2 3/8"



7681 Spindle Fixing. With the Pull on the Spindle.

The Knob on the left of the diagram is fixed to the Spindle. On the other side, the Spindle is screwed and the Knob tapped to suit, so that it can be adjusted to the thickness of the door and secured in this position by a spring wedge. Both Backplates are loose and slip over the neck of the Knobs. Spiked washers provide bearing surfaces between the door and the Knobs.



7627 (Top)



7625 (Bottom)



7626

7628

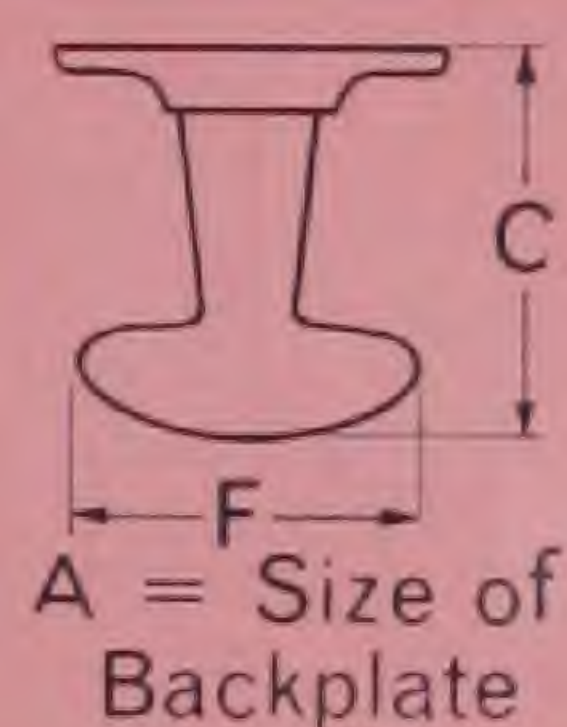
KNOB FURNITURE

Complete with suitable Escutcheons for use with Mortice Locks.

				Silver Anodised	Satin Silver Anodised	
7623	With 7682 Fixing	..	..	21/-	22/6	set
7634	" " "	..	..	15/-	16/-	"
7633	" " "	..	..	14/6	15/-	"
5273	With Plain Spindle	..	..	14/-	15/-	"
5280	" " "	..	..	14/-	15/-	"
2924	With Drilled-through Spindle. Bronze Vitreous Enamelled on Cast Iron .. .. .	..	..	8/-	set	
(2924 also available for use with Rim Locks.)						



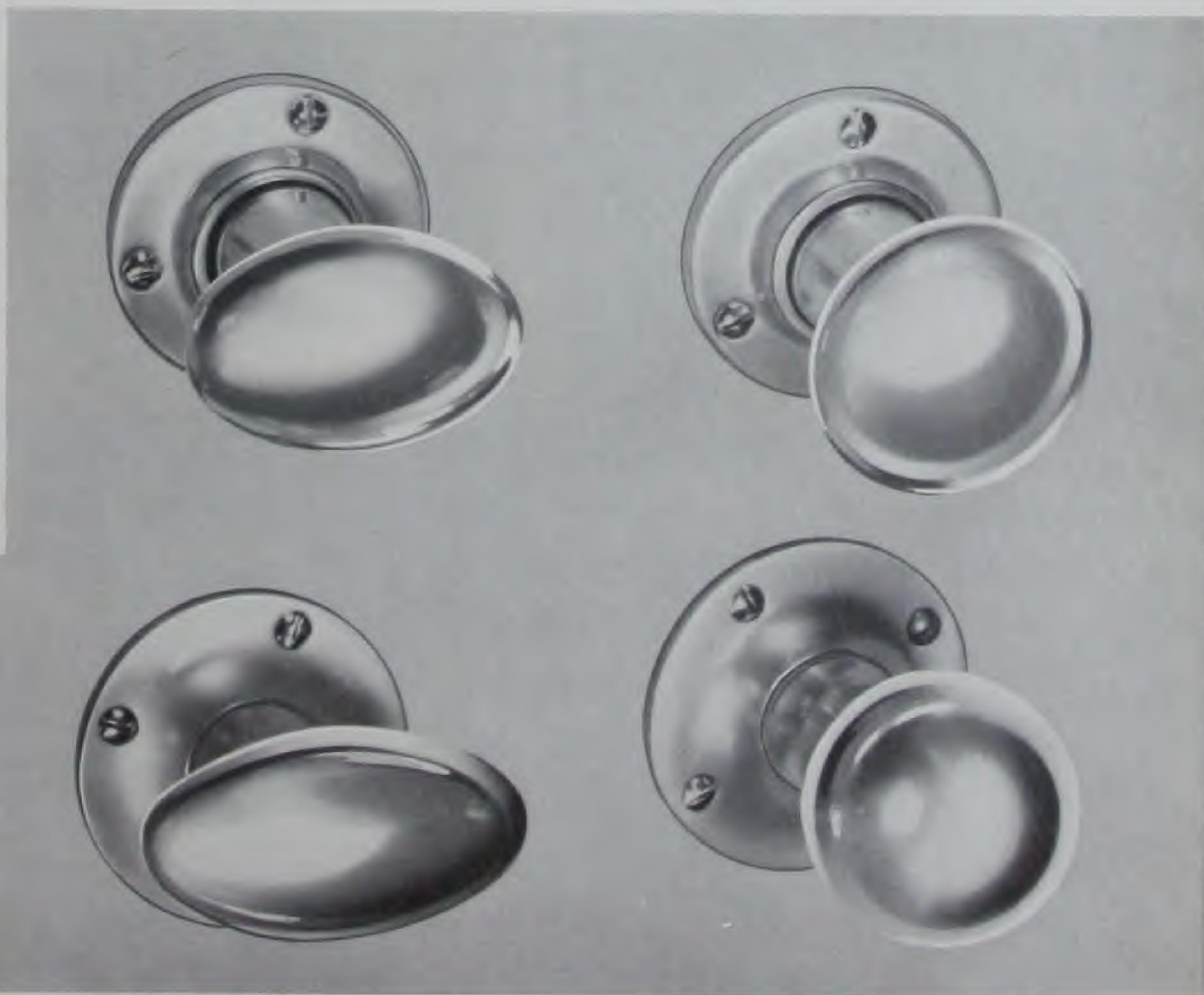
7623



Prices include Wood Screws for fixing.

7682 Spindle Fixing works on a similar principle to 7681 (page 70), having the pull on the spindle.

	A	C	F
7623	2 1/4"	2 1/4"	2"
7634	2 1/4"	2 1/4"	2 1/4"
5273	2 3/8"	2 3/8"	2 1/2"
7633	2 1/4"	2 1/4"	1 7/8"
5280	2 3/8"	2 3/4"	1 3/4"
2924	1 7/8"	2 3/4"	1 3/4"



2924

7634 (Top) 5273 (Bottom)

7633 (Top) 5280 (Bottom)



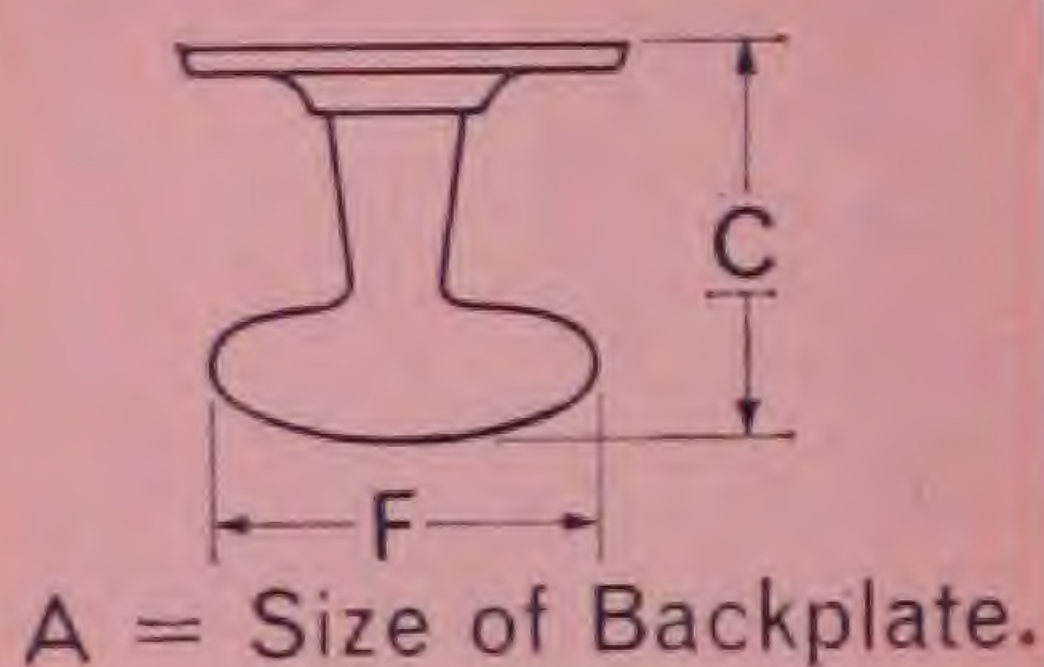
KNOB FURNITURE

PLAIN SPINDLES

Complete with suitable Escutcheons for use with Mortice Locks.

3202

	A	C	F
3202	2 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "	2"
2362	2 $\frac{5}{8}$ " x 1 $\frac{7}{8}$ "	2 $\frac{3}{8}$ "	2 $\frac{3}{8}$ "
3236	2 $\frac{3}{8}$ "	2 $\frac{5}{8}$ "	2"
3238	2 $\frac{3}{8}$ "	3"	1 $\frac{3}{4}$ "
3240	2 $\frac{3}{8}$ "	2 $\frac{3}{4}$ "	2"



Real
B.M.A.

Satin
C.P.

3202	..	..	31/6	..	..	35/-	set
2362	..	..	54/-	..	..	61/-	„

Also available in Satin Brass, Satin Bronze or Satin Nickel Plated.

3236 and 3238. With Silver Anodised Neck and Backplate

Light Oak Knob	..	..	..	..	10/6	set
Rosewood Knob	..	..	..	..	11/-	„
Cocus or Ebony Knob	..	..	..	..	11/6	„

3240. With B.M.A. Backplate

Medium Oak Knob	..	..	..	..	10/6	set
Cocus or Ebony Knob	..	..	..	..	12/-	„

All prices include Wood Screws for fixing



3238 (Top) 3236 (Bottom)

3240

2362

KNOBSETS

"HOLLYMADE"

(Manufactured in Canada)

Designed and engineered for modern building needs. The patterns shown cover most normal functions, and have a design of knob which is very popular on the American continent. "Hollymade" Knobsets are complete assemblies ready for fixing, which is a simple labour-saving operation.

Mechanism enclosed in Cylindrical case of Diecast Aluminium. Reversible Latch. Key-operated sets have Brass Cylinder, with 5 pin tumblers, in Knob. The cylinder can be turned to the correct upright position, rendering the set reversible. Differs almost unlimited.

Inside Rose has machine screw fixing. Outside Rose, plain (except HJE 2860D, which has plain roses both sides). Backset 2 $\frac{3}{8}$ ". Suitable for doors 1 $\frac{1}{8}$ " to 1 $\frac{3}{4}$ " thick.

Prices are for Knobsets in Satin C.P., with Latch Forends to match. (Inside knob for 2610 only is Polished C.P.) Complete with screws for fixing.

2660 KEY AND TURNBUTTON SET.

Operation:—Turnbutton locking. Inside knob is always free, key from outside. Outside knob remains locked until turnbutton is released With two Keys 57/6 set

2660D KEY AND TURNBUTTON SET.

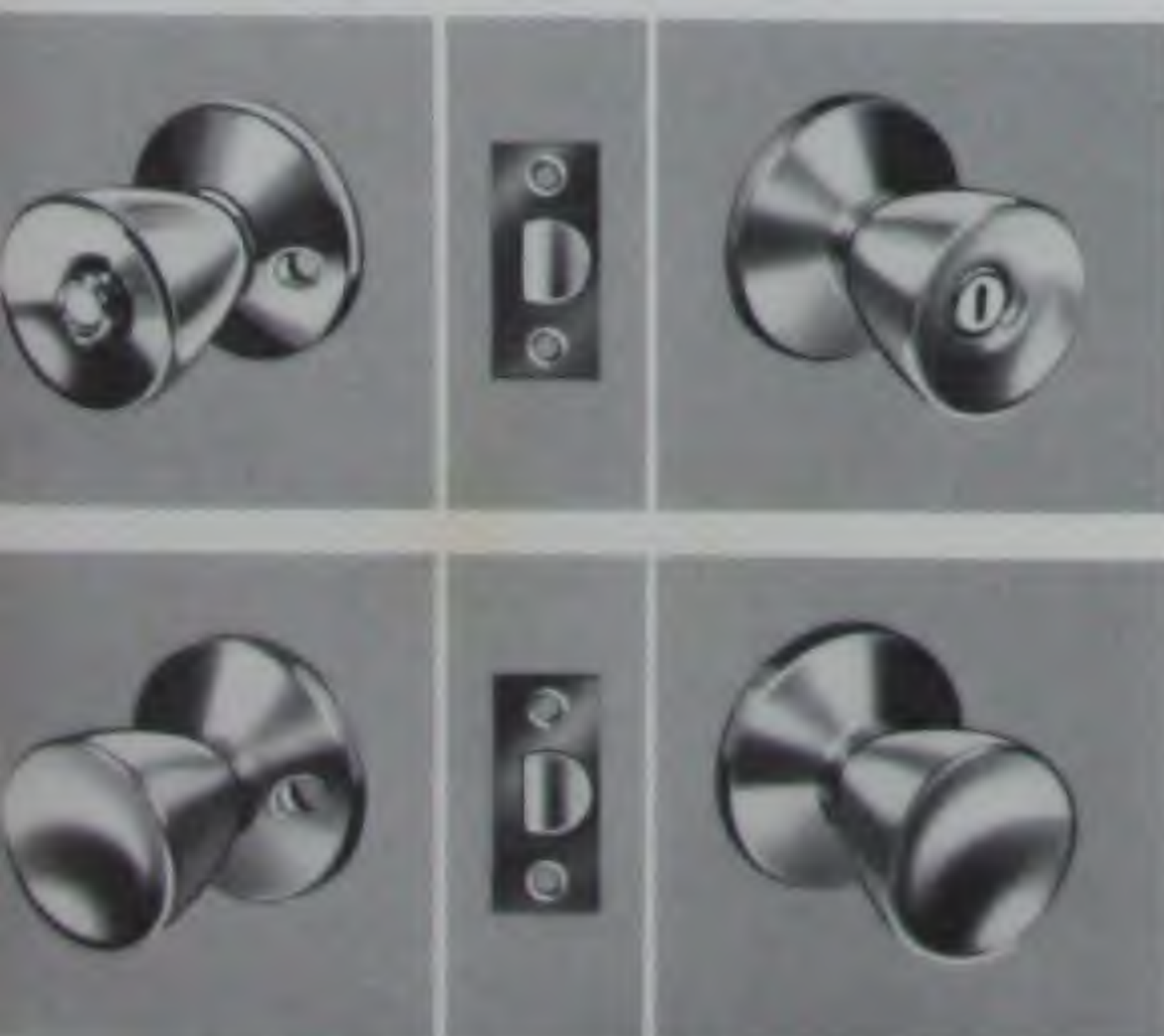
Operation:—As 2660, but latch deadlocks against end pressure With two Keys 63/- set

2610 PUSHBUTTON SET.

Operation:—Pushbutton locking. Automatic release when inside knob is turned. Emergency release slot in centre of knob 36/9 set

2600 PLAIN LATCH SET.

Operation:—Both knobs always free 31/9 set

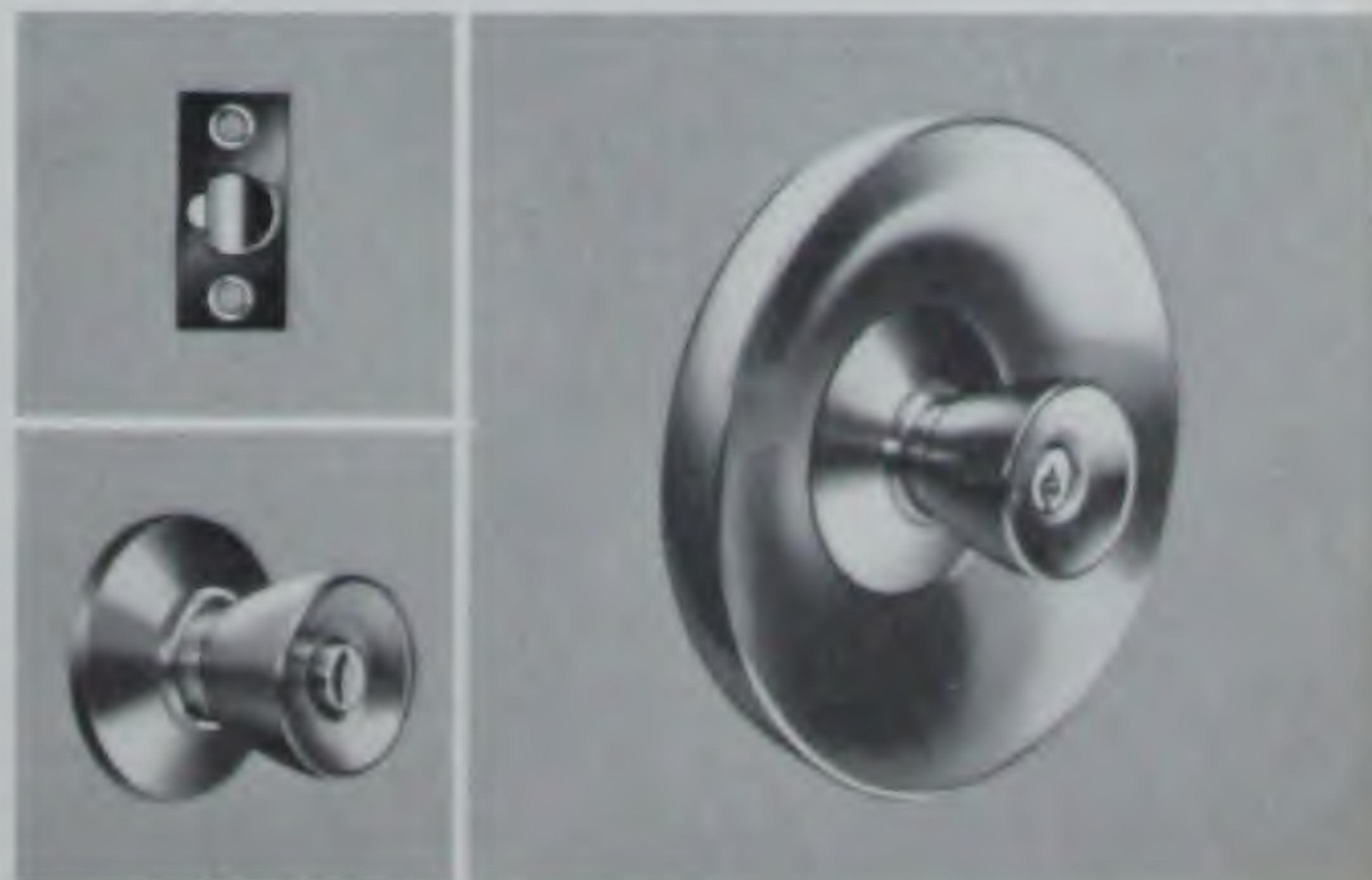


2610 (Top)

2600 (Bottom)

HJE 2860D KEY AND TURNBUTTON SET

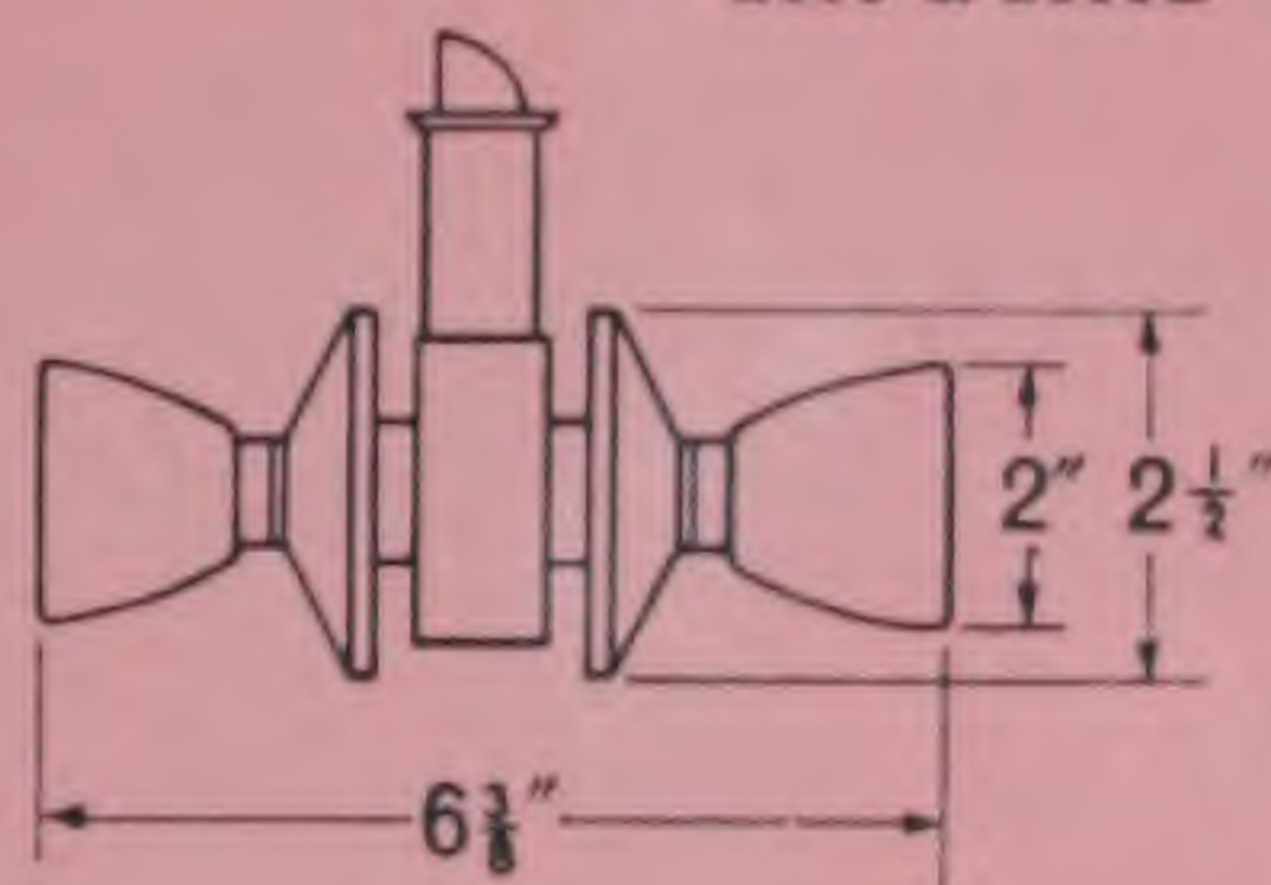
Generally similar to 2660D, but with 2 $\frac{1}{2}$ " diam. Plain Roses, and complete with 6 $\frac{1}{2}$ " diam. Escutcheon Plate as illustrated. 5" Backset. With two Keys .. 102/6 set



HJE 2860D



2660 & 2660D



MASTER-KEYED SUITES

Key-operated Knobsets can be supplied, if required, to pass, or in a Master-keyed Suite.

EXTRAS, per cylinder

To pass the same key	No extra
To differ under Master Key	7/-
" " " Sub- and Grand Master Keys	10/6

KEYS

Master or Sub-Master	5/6 each
Grand Master	5/6 "
Extra or Servant Keys	2/3 "



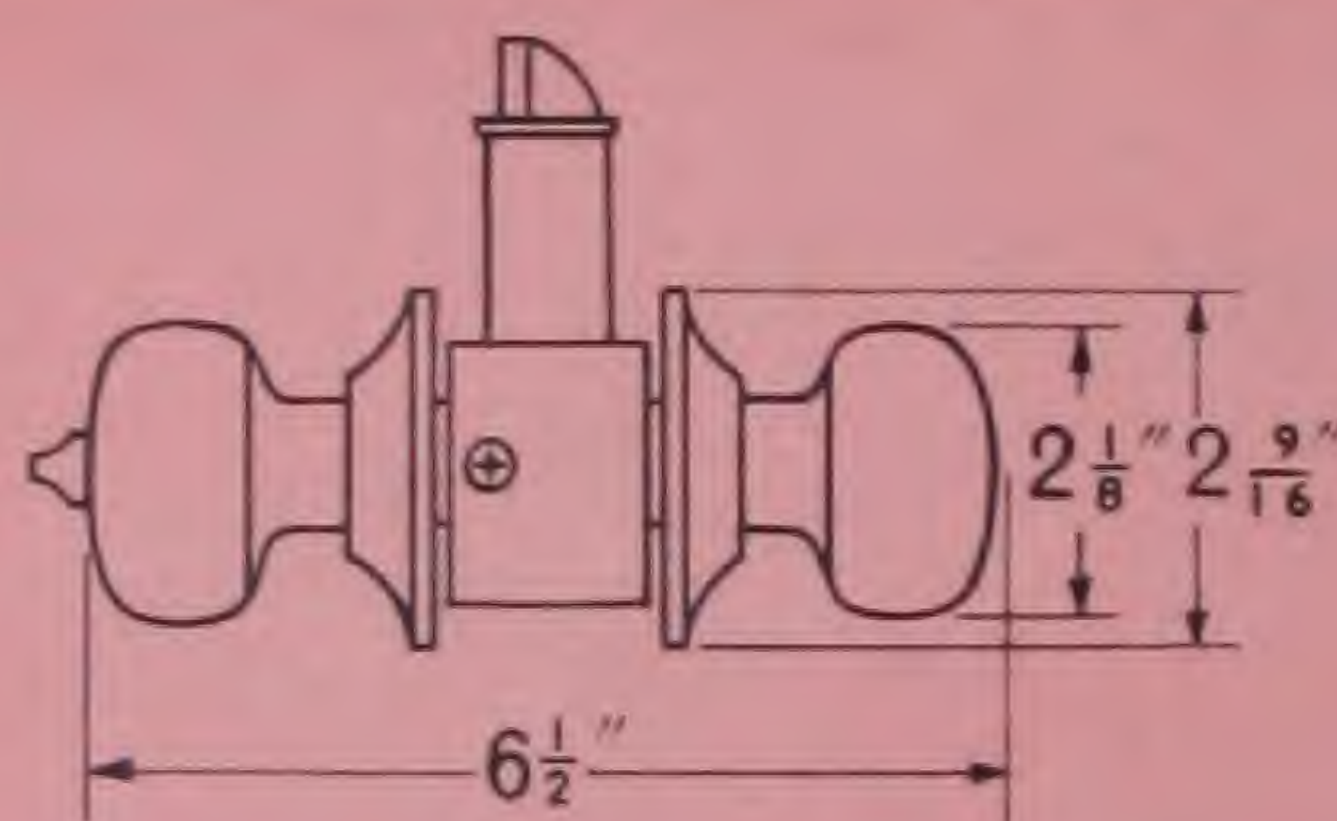
KNOBSETS

UNION "RONDO"

"Rondo" Knobsets combine furniture and latch in one unit. Fixing is simple—it is only necessary to bore two round holes for the unit and let in the forend and striking plate. Door preparation is identical for all patterns.

9100

Suitable for doors
1 $\frac{3}{8}$ " to 1 $\frac{7}{8}$ " thick



Mechanism enclosed in Cylindrical case of Diecast Aluminium. Reversible Latch. Key-operated sets have Brass Cylinder, with 5 pin tumblers, in knob. The cylinder can be turned to the correct upright position, rendering the set reversible. Differs almost unlimited. Plain Roses, without screw holes. Backset 2 $\frac{3}{8}$ ".

Prices are for Knobsets with Knobs, Roses, Forend and Striking Plate in any of the following finishes:—

Satin or Polished C.P.

B.M.A. Finish on Brass

Silver Anodised Aluminium

Satin Nickel Bronze

Satin Bronze

Prices include Wood Screws for Latch.

9100 KEY AND TURNBUTTON SET.

Operation:—Turnbutton locking. Inside knob is always free, key from outside. Outside knob remains locked until turnbutton is released. Latch deadlocks against end pressure. With two Keys 69/- set

9101 PUSHBUTTON SET.

Operation:—Pushbutton locking. Automatic release when inside knob is turned. Emergency release through small hole in centre of knob. 60/- set

9102 PLAIN LATCH SET.

Operation:—Both knobs always free. .. 57/- set

9103 NIGHT LATCH SET.

Operation:—Outside knob always locked, key from outside. Inside knob is always free. Latch deadlocks against end pressure. With two Keys .. 69/- set

9094 Reversible Rebated Forend Set. $\frac{1}{2}$ " rebate. Suitable for all patterns. Any finish (as above) .. 9/- set

"Rondo" Knobsets are also available for doors up to 2 $\frac{1}{4}$ " thick.

9100 and 9103 Knobsets have, as standard, a KB502 Key section, and can be supplied, if required, to pass, including locks on other pages using this key. Similarly, all such locks and Knobsets can be supplied in a Master-keyed Suite. For "Extras", see Lock section, page 123.

9101



9102



9103



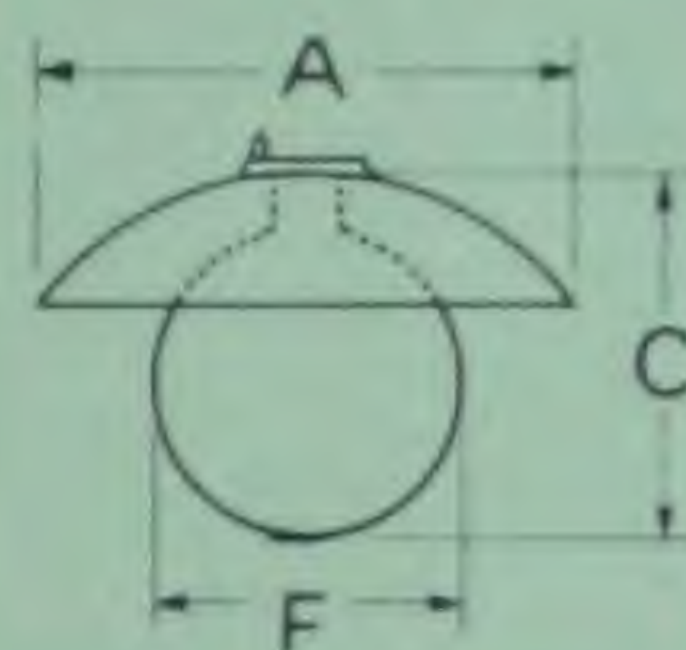
CENTRE DOOR KNOBS

"Ogro" Door Knobs are made from a special non-corrosive light metal alloy.

		Finish:	Satin Silver	Gold	
7801	41/-	47/6	each
7806	17/-	19/6	"
7802	13/-	15/-	"
7805	8/-	9/6	"
7807	10/6	12/6	"
7804	12/6	14/6	"

7802 and 7805 include Wood Screws for face-fixing. All other patterns include countersunk headed bolt for back-fixing.

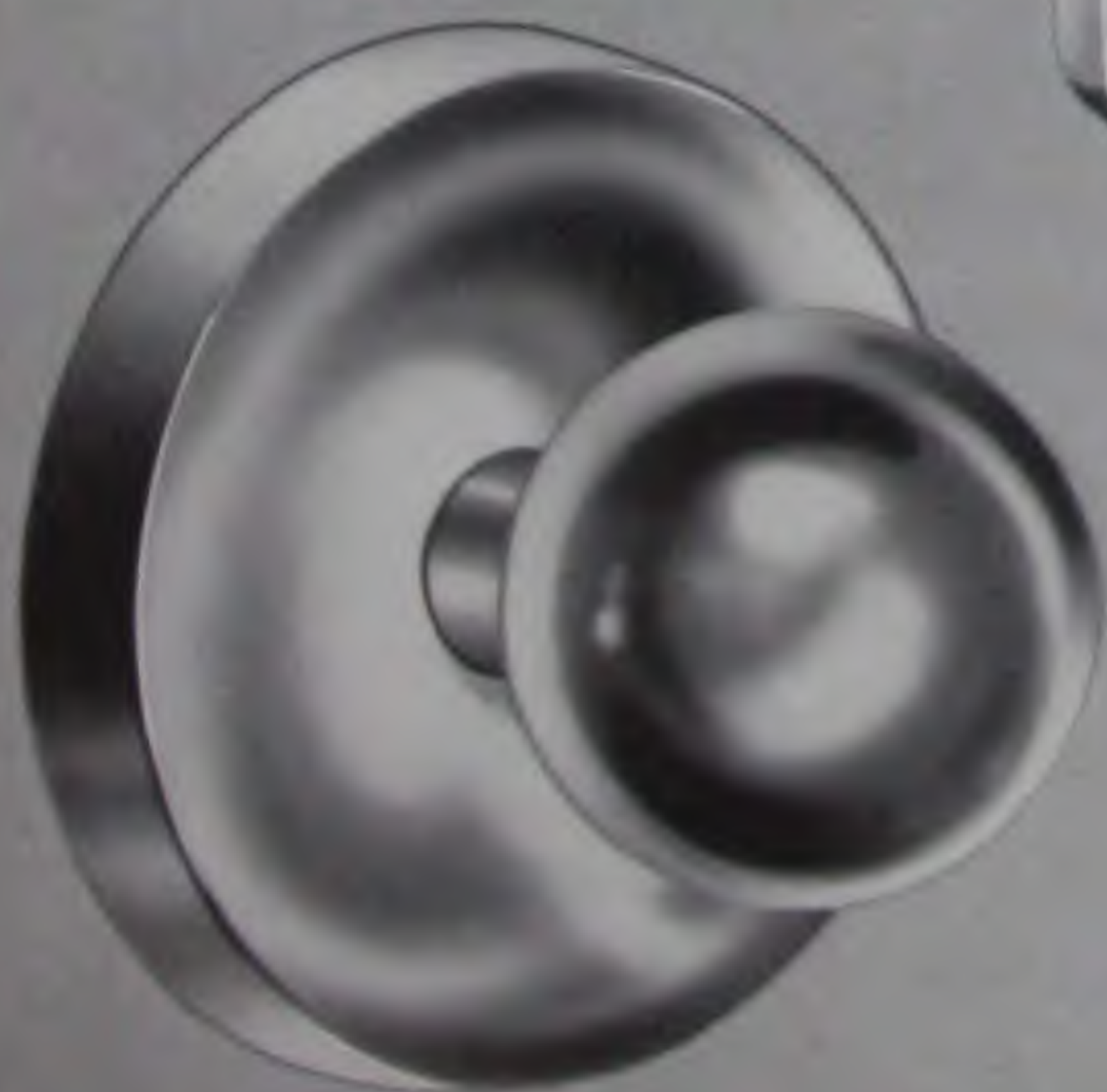
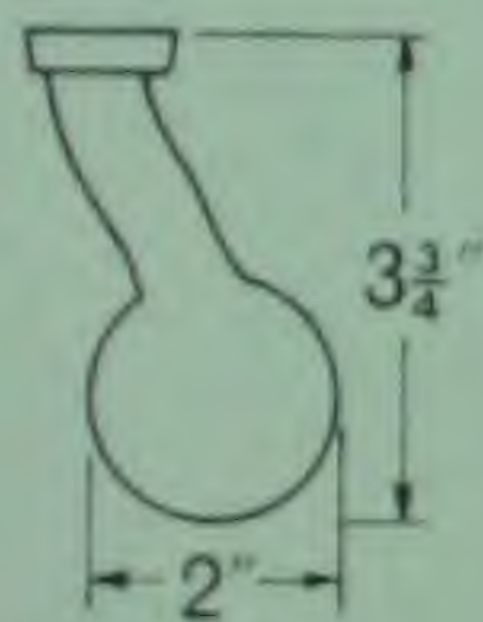
	7801	7806	7805	7807	7804
A	4 $\frac{1}{4}$ "	4 $\frac{1}{8}$ "	2 $\frac{1}{8}$ "	2 $\frac{5}{16}$ "	2 $\frac{1}{8}$ "
C	3 $\frac{1}{4}$ "	3"	2 $\frac{3}{8}$ "	2 $\frac{3}{8}$ "	2 $\frac{1}{2}$ "
F	2 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "	2"	2 $\frac{3}{8}$ "	2 $\frac{1}{8}$ "



7801

7805 is also available for back-fixing, and 7807 and 7804 for face-fixing.

7802 Cranked for Door Stile (Back-plate 2 $\frac{1}{4}$ " x 1").



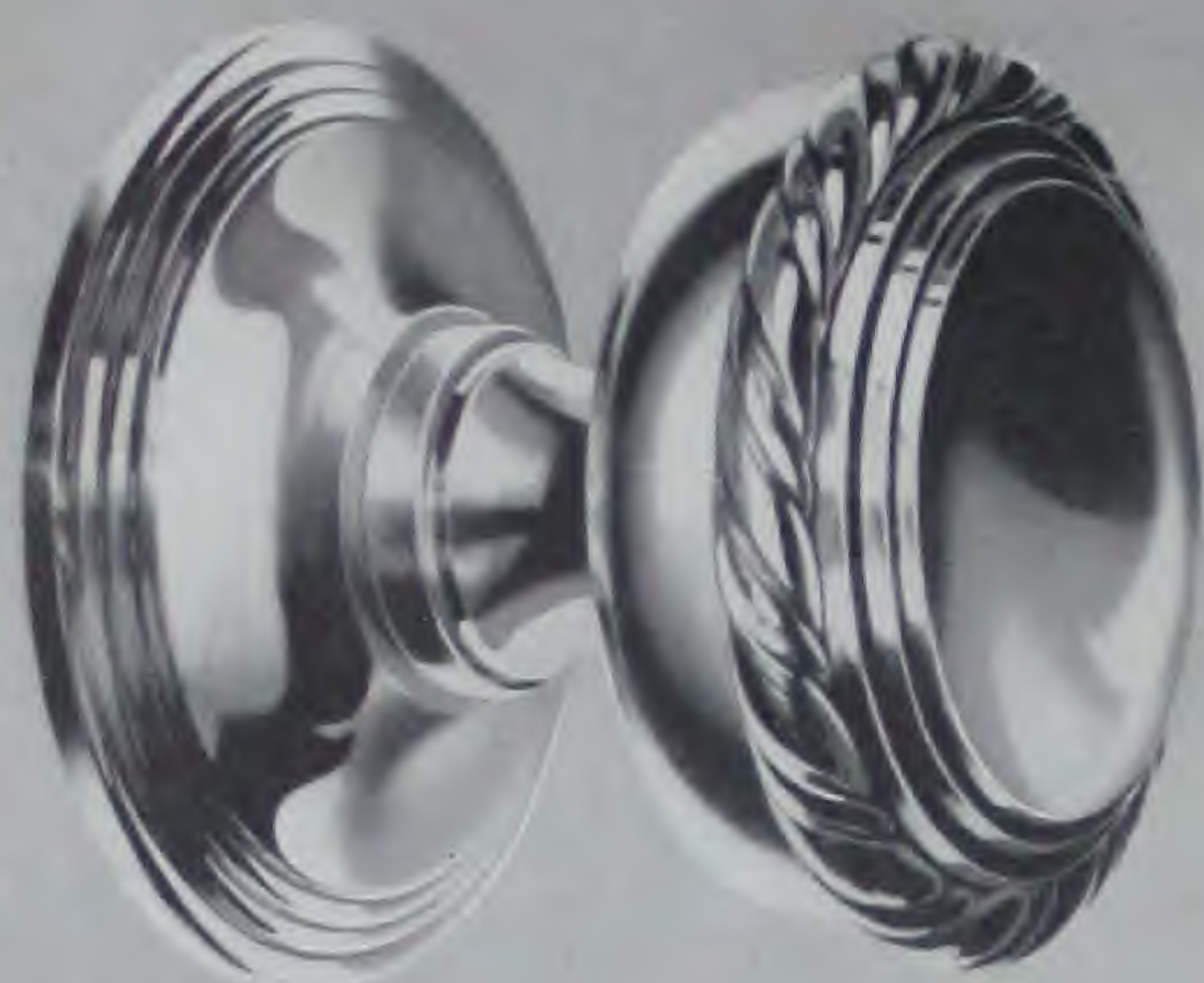
7806



7802 (Top) 7805 (Bottom)



7807 (Top) 7804 (Bottom)

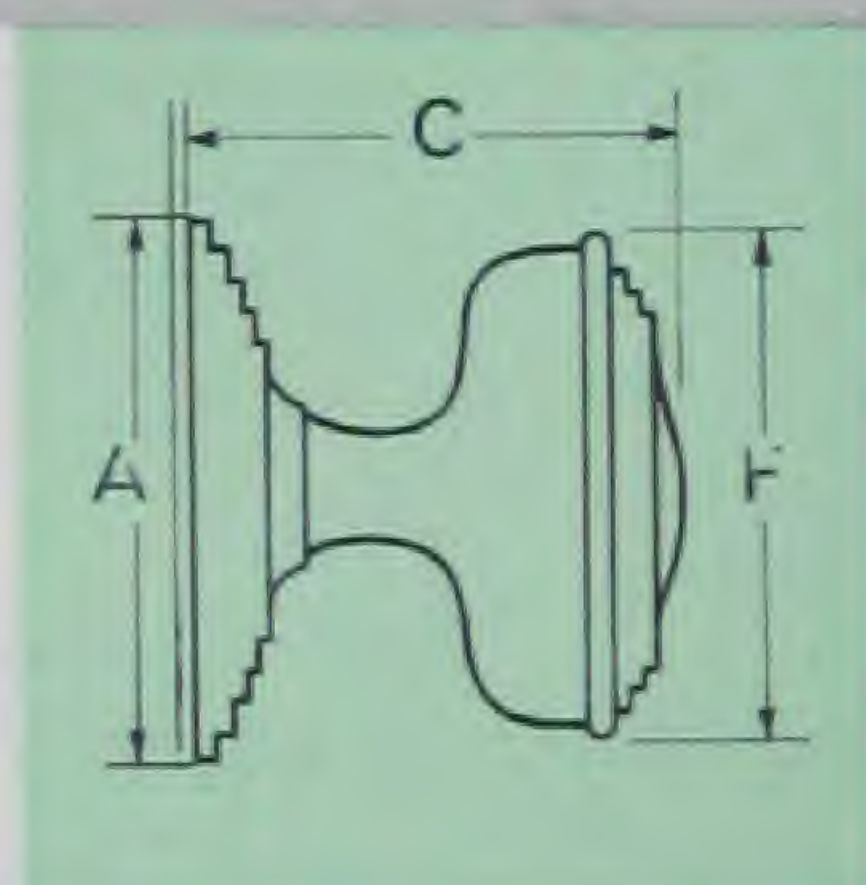


CENTRE DOOR KNOBS

All patterns are back-fixing, and are supplied complete with necessary bolts.

				Real B.M.A.	Satin C.P.	
7809	..	..	..	108/-	135/-	each
3884 2 $\frac{3}{4}$"	..	..	..	64/-	73/-	"
3884 3 $\frac{1}{4}$"	..	..	..	83/-	93/-	"
7810	..	..	..	35/-	40/-	"
3880	..	..	..	44/6	52/6	"
3882	..	..	..	44/6	52/6	"

7809

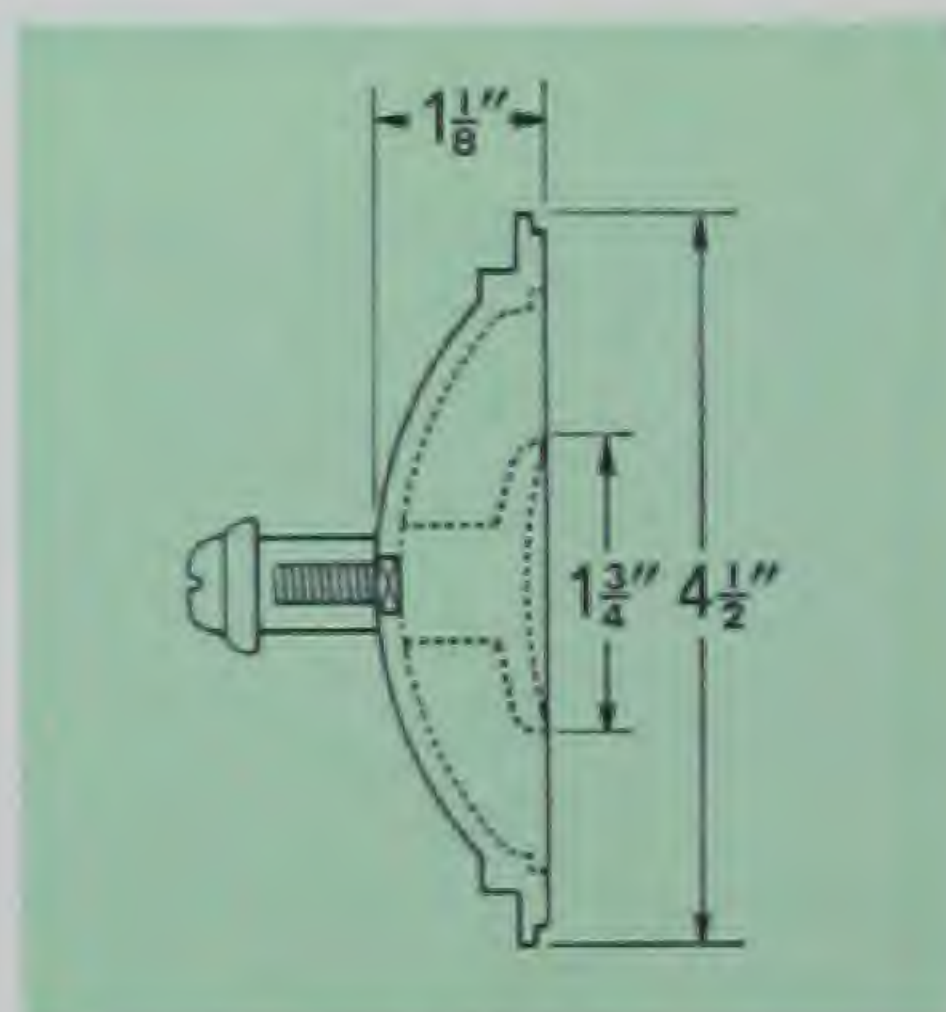


	Silver Anodised	Satin Silver Anodised	
7811	13/-	14/-	each

Alternative finishes available for all patterns except 7811.

	A	C	F
7809	4"	3 $\frac{3}{4}$ "	3 $\frac{5}{8}$ "
3884 2 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "*	3"	2 $\frac{3}{4}$ "*
3884 3 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "*	3 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "*
7811	2 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "
7810	4 $\frac{1}{2}$ "	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "
3880	3"	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "
3882	2 $\frac{3}{4}$ "	2"	2 $\frac{3}{4}$ "

*Measured across flats.



7810



3884 (Top)

7811 (Bottom)

7810

3880 (Top)

3882 (Bottom)

DOOR KNOCKERS AND BELL PUSHES



7813 8" x 3 3/4" Overall.



7815 Overall height 3 3/4".



7814 3 1/2" diam. Ring.

DOOR KNOCKERS

7813	Satin Brass	.. .. .	70/-	each
	Real B.M.A.	.. .. .	74/-	"
7815	B.M.A. finish on Brass	.. .. .	12/-	"
	Satin C.P.	.. .. .	14/9	"
7814	Real B.M.A.	.. .. .	54/-	"
	Polished Bronze	.. .. .	54/-	"

Prices include back-fixing bolts.



7812

7812 Real B.M.A.
Overall height: 6" 8"
76/- 107/- each

Prices include back-fixing bolts.

BELL PUSHES

"Ogro" Pushes 7921, 7908 and 7910 are made from non-corrosive light alloy.

			Finish: Satin Silver	Gold
7921	3 1/2" x 2 1/4", with two 1 3/4" x 1/2" apertures for name cards, concealed face fixing (Also available with 1, 3, 4, 5 or 6 openings).	.. .. .	23/-	26/6 each
7908	2 1/2" x 1" .. .. .	.. .. .	6/-	7/- "
7910	2" diam., concealed face fixing .. .. .	.. .. .	7/3	8/3 "
7920	3 1/2" x 1 1/2". Real B.M.A. ..	17/6 each; Polished C.P. ..	19/- each; Satin C.P. ..	19/- each.

Prices include Wood Screws for fixing.



7921 "Ogro"



7908 "Ogro"



7910 "Ogro"



7920



LATCH KNOCKERS AND PULLS

With Hole for Cylinder Latch

3841	Knocker, $4\frac{1}{2}'' \times 1\frac{7}{8}''$.								
	Real B.M.A.	..	..	..	..	..	..	15/6	each
	Satin C.P.	..	..	..	..	..	..	17/9	"
	Polished C.P.	..	..	..	..	..	..	17/9	"
	Silver Anodised	..	..	..	..	..	..	12/6	"
	Satin Silver Anodised	..	..	..	..	..	..	13/3	"
7831	Knocker, $3\frac{1}{4}''$ Diameter.								
	Real B.M.A.	..	..	..	..	..	..	27/-	each
	Satin C.P.	..	..	..	..	..	..	31/-	"
	Polished C.P.	..	..	..	..	..	..	31/-	"
7832	Knocker and Pull, $5\frac{3}{4}'' \times 1\frac{3}{4}''$.								
	Silver Anodised	..	..	..	..	..	..	8/9	each
	Satin Silver Anodised	..	..	..	..	..	..	9/3	"
3876	Pull, $3'' \times 1\frac{3}{4}''$.								
	Silver Anodised	..	..	..	..	..	..	3/3	each
	Satin Silver Anodised	..	..	..	..	..	..	3/6	"
3878	Pull, $3\frac{1}{2}'' \times 1\frac{7}{8}''$.								
	Real B.M.A.	..	..	..	..	..	..	9/3	each
	Satin C.P.	..	..	..	..	..	..	10/-	"
	Polished C.P.	..	..	..	..	..	..	10/-	"
7830	Pull, $3'' \times 1\frac{3}{4}''$.								
	Silver Anodised	..	..	..	..	..	..	5/6	each
	Satin Silver Anodised	..	..	..	..	..	..	6/-	"
7833	Knocker, $5'' \times 2\frac{1}{4}''$.								
	Bronze Vitreous Enamelled Iron	..	..	..	..	..	..	5/-	each

3841 (Top) 7831 (Centre)
7832 (Bottom)

3876

3878

7830

7833

CYLINDER LATCH POSTAL KNOCKERS

With Spring Flaps

2356 Plate $11'' \times 2\frac{3}{8}''$, Opening $5\frac{1}{2}'' \times 1\frac{1}{4}''$. Complete with "Yale 99" Cylinder Latch and two keys.

Real B.M.A.	..	..	..	..	57/6 each
Polished C.P.	..	..	..	..	59/- "

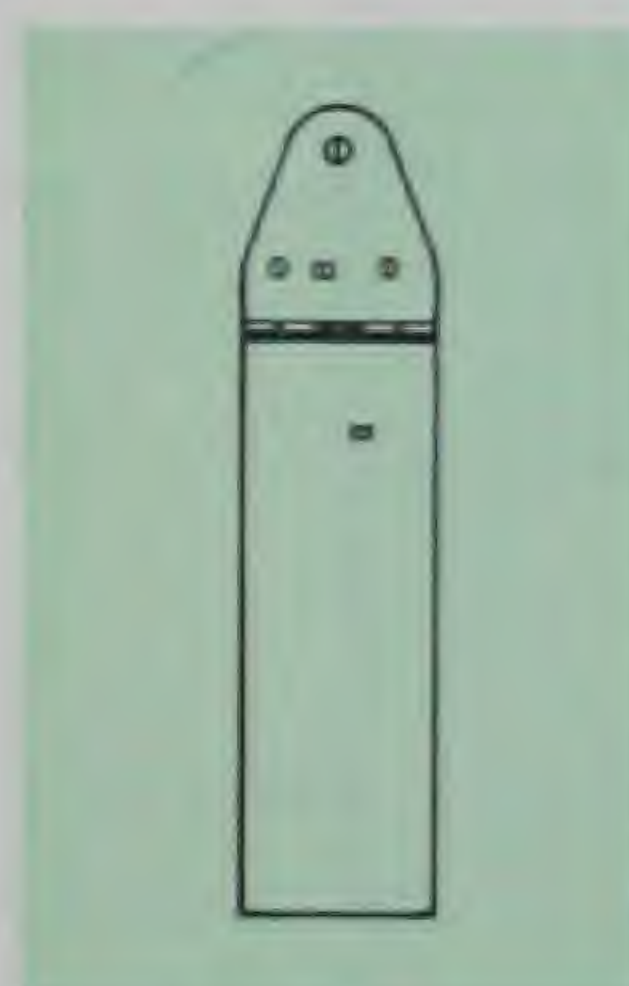
2370 Plate $12\frac{3}{4}'' \times 2\frac{1}{4}''$, Opening $5\frac{3}{4}'' \times 1\frac{1}{4}''$. Complete with "Era 099" Cylinder Latch and two keys.

Silver Anodised, with Satin C.P. Cylinder 37/- each

3464 Plate $11\frac{1}{2}'' \times 2''$, Opening $5'' \times 1\frac{3}{16}''$. Complete with "Union 1088" Cylinder Latch and two keys.

Real B.M.A., Polished C.P., Satin C.P.	
or Silver Anodised..	.. .. 52/6 each

A Spring-loaded Cover Plate and Draught Excluder for fitting inside the door to cover the opening (as illustrated) is included with pattern 3464 without extra charge.

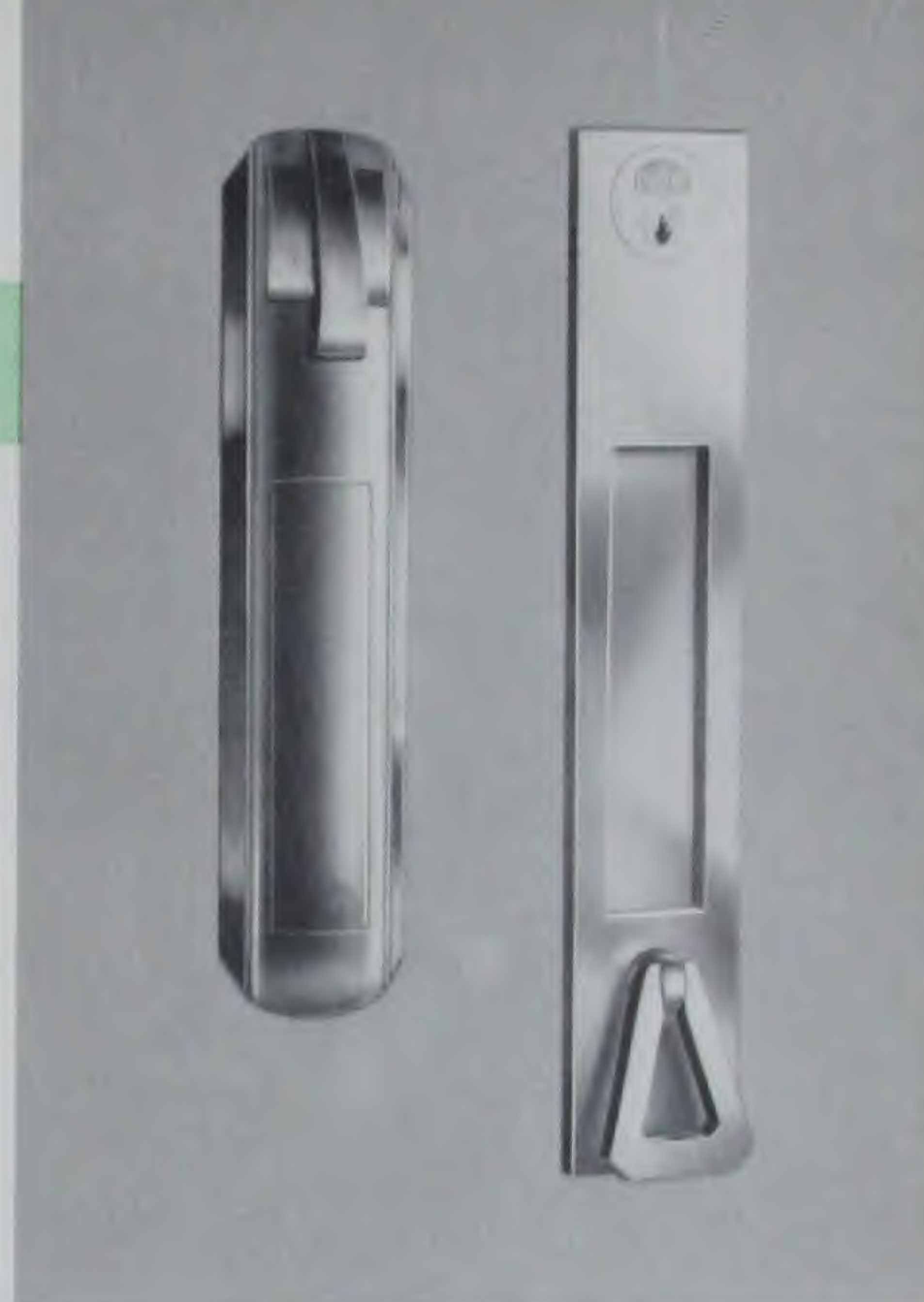


7840 Plate $12'' \times 2\frac{1}{4}''$, Opening $5\frac{1}{2}'' \times 1\frac{5}{16}''$. Complete with "Yale 99" Cylinder Latch and two keys.

Real B.M.A.	..	..	..	..	61/- each
Satin C.P.	..	..	..	..	68/- "

2931 Plate $11\frac{1}{2}'' \times 2\frac{1}{8}''$, Opening $4\frac{5}{8}'' \times 1\frac{1}{16}''$. Complete with "Era 099" Cylinder Latch and two keys.

Bronze Vitreous Enamelled Iron,	
with B.M.A. Finish Cylinder	.. .. 24/- each



2356

2370

Any pattern on this page can be supplied with a short case Latch for Narrow Stiles at a small extra charge.



3464

7840

2931

POSTAL KNOCKERS

With Spring Flaps

- 7901 Plate $10\frac{1}{2}" \times 2\frac{3}{4}"$, Opening $7\frac{3}{4}" \times 1\frac{3}{4}"$
 Bolt Centres $9\frac{5}{8}"$
 Real B.M.A. 54/- each
 Satin C.P. 62/- "
- 7915 Plate $12\frac{1}{2}" \times 2\frac{3}{4}"$, Opening $8" \times 1\frac{3}{4}"$
 Bolt Centres $11\frac{3}{8}"$
 Real B.M.A. 51/- each
- 7914 Plate $8" \times 2\frac{1}{2}"$, Opening $5\frac{5}{8}" \times 1\frac{3}{8}"$
 Bolt Centres 7"
 Silver Anodised 16/- each
 Satin Silver Anodised 17/- "



7901

- 2928 Plate $8\frac{5}{8}" \times 2\frac{7}{8}"$
 Opening $6\frac{1}{4}" \times 1\frac{3}{8}"$
 Bolt Centres $7\frac{3}{8}"$
 Bronze Vitreous Enamelled
 Iron 8/6 each



7914

- 5279 Plate $9" \times 3"$
 Opening $7" \times 1\frac{1}{2}"$
 Bolt Centres 8"
 Silver Anodised 16/- each



2928



5279



7915

POSTAL KNOCKERS

With Spring Flaps

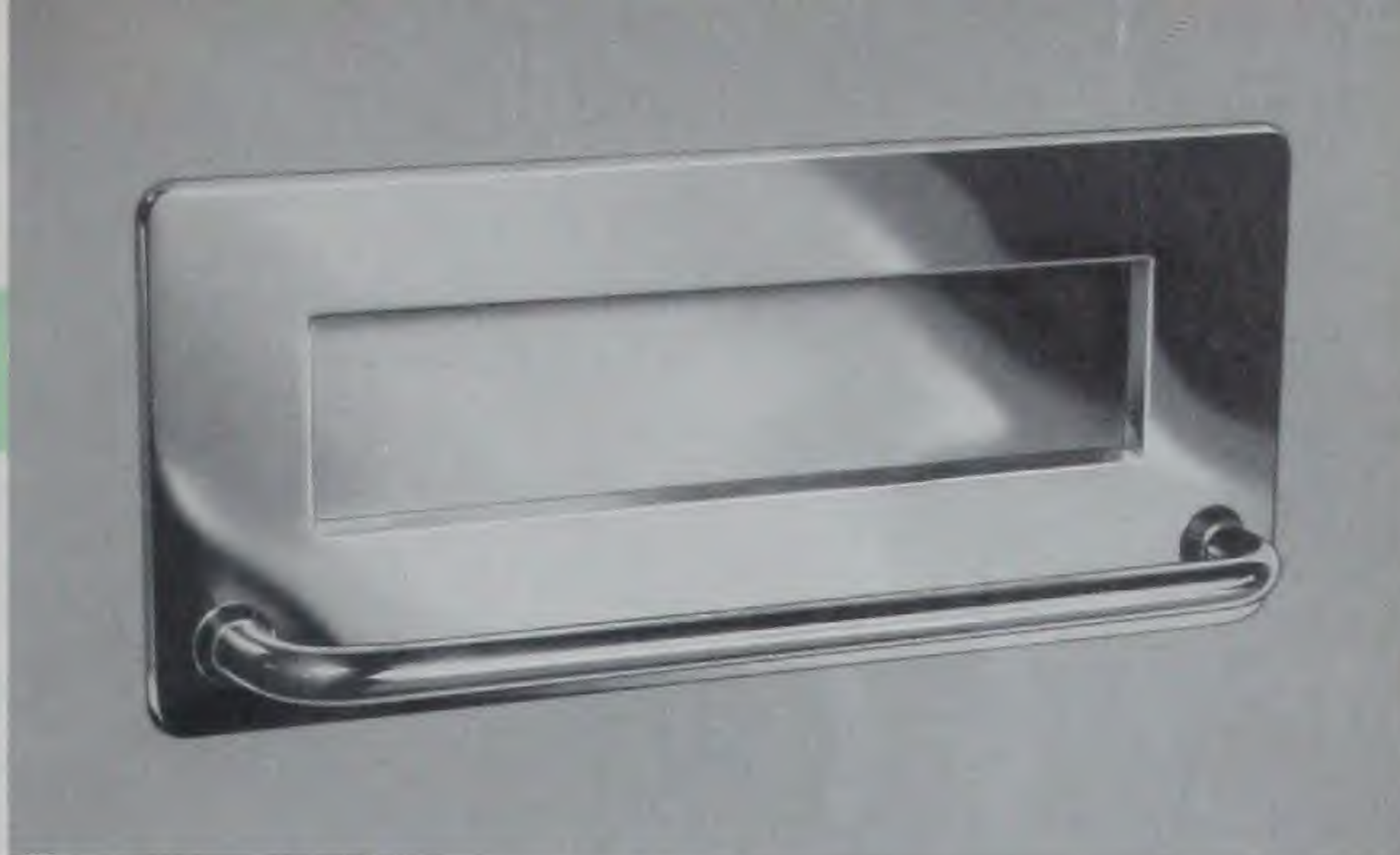
7916 Postal Plate, with fixed Pull Handle.
Plate $11\frac{1}{2}" \times 5"$, Opening $8\frac{1}{2}" \times 2"$
Bolt Centres $10"$
Real B.M.A. 96/- each

2968 Plate $8" \times 2\frac{5}{8}"$, Opening $5" \times 1\frac{1}{2}"$
Bolt Centres $7\frac{1}{8}"$
B.M.A. Finish on Brass .. 21/6 each
Polished C.P. 23/6 "

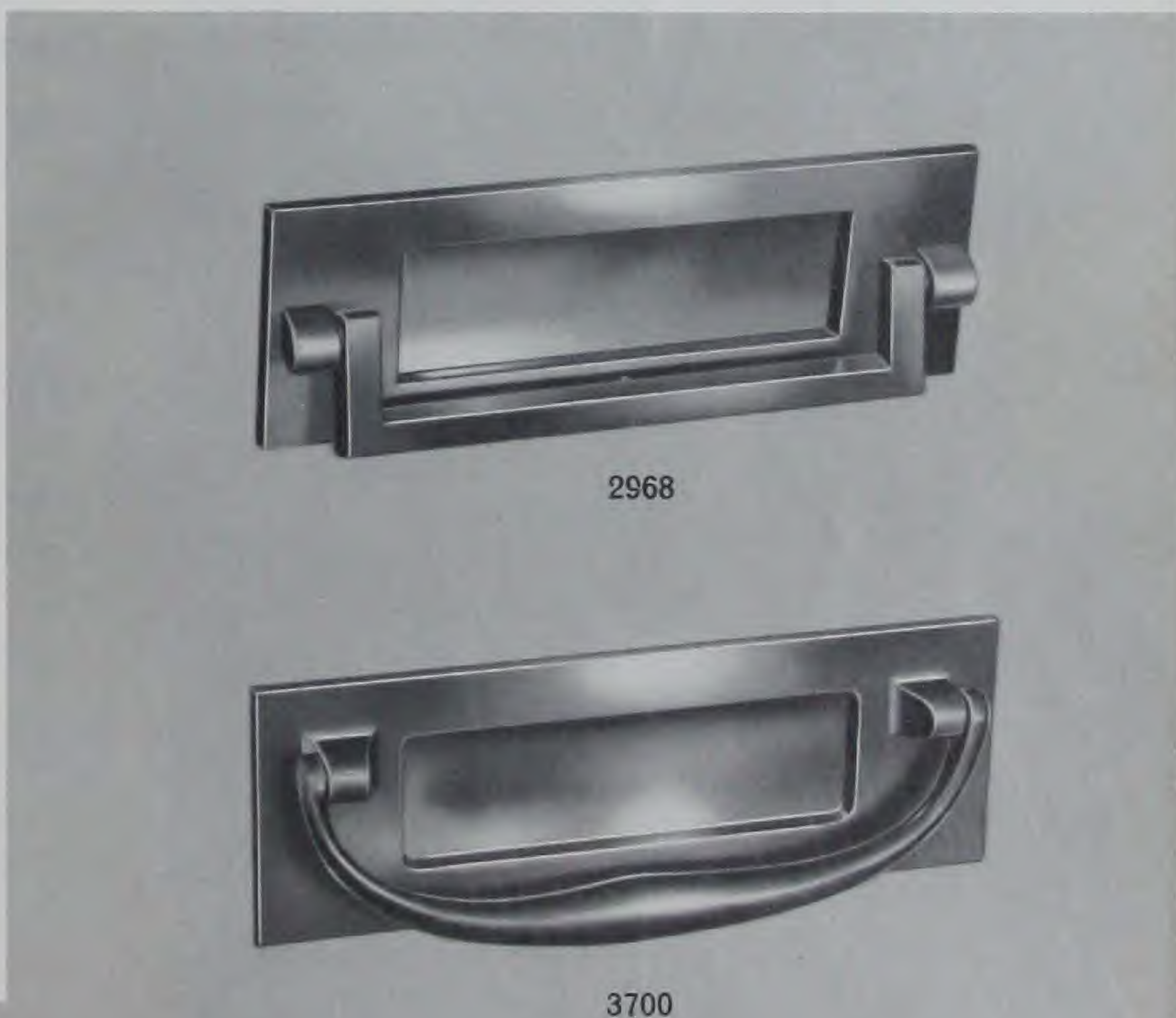
3700 Plate $8" \times 2\frac{3}{4}"$, Opening $5" \times 1\frac{1}{2}"$
Bolt Centres $6\frac{1}{2}"$
Real B.M.A. 31/- each
Polished C.P. 28/- "

7904 Plate $10\frac{1}{4}" \times 2\frac{3}{4}"$, Opening $8" \times 1\frac{3}{4}"$
Bolt Centres $9\frac{3}{8}"$
Real B.M.A. 39/- each
B.M.A. Finish on Brass .. 34/- "
Polished C.P. 39/- "
Satin Nickel Bronze .. 39/- "
Also available in B.M.A. Finish or
Polished C.P. on Diecast alloy.

3714 Plate $10\frac{1}{2}" \times 3\frac{1}{8}"$, Opening $8" \times 1\frac{3}{4}"$
Bolt Centres $9\frac{1}{2}"$.
Real B.M.A. 38/6 each



7916



2968



3700



7904



3714



LETTER PLATES

WITH GRAVITY FLAPS

"Ogro" Letter Plates are made from a special non-corrosive Lightmetal Alloy. Even after long use the surfaces remain bright.

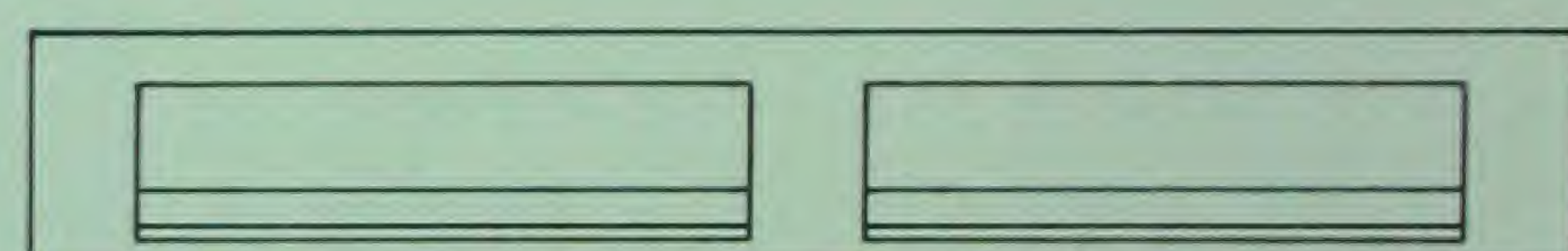
Plate:	10" x 2½"	11½" x 2⅞"	13" x 2⅞"
Opening:	7" x 1⅜"	8¾" x 1½"	9¾" x 1⅝"
Bolt centres:	9⅛"	10⅞"	11⅝"

7906	Satin Silver Finish	15/3	22/3	30/6 each
	Satin Gold Finish	17/6	25/9	35/- "

Plate:	10" x 2½"	11½" x 2⅞"	13" x 2⅞"
Opening:	7" x 1⅜"	8¾" x 1½"	9¾" x 1⅝"
Bolt centres:	9⅛"	10⅞"	11⅝"

7911	Satin Silver Finish	17/9	24/9	33/- each
	Satin Gold Finish	20/6	28/9	37/9 "

Letter Plates of similar design to 7906 and 7911, but with two or three 5⅞" x 1⅛" letter openings side by side, are also available. Details and prices on application.



7912 With Card aperture and Bell Push.

Plate:	11" x 2½"	Opening:	7" x 1⅜"
Bolt centres:	8½"		

Satin Silver Finish	..	..	..	24/- each
Satin Gold Finish	..	..	..	27/9 "

7907 Upright Pattern.

Plate:	9⅞" x 2½"	Opening:	7" x 1⅜"
Bolt centres:	9"		

Satin Silver Finish	..	..	..	20/9 each
Satin Gold Finish	..	..	..	24/- "



7906



7911



7912



7907

LETTER PLATES

WITH GRAVITY FLAPS

2407 Plate $13'' \times 2\frac{7}{8}''$, Opening $8\frac{1}{8}'' \times 1\frac{7}{8}''$, Bolt centres $9\frac{7}{16}''$.

Silver Anodised 18/6 each
Extra for Black Anodised $1\frac{1}{4}''$ Figures,
riveted to panel 1/9 per figure

Numeral Panel will accommodate up to four figures.
Can also be supplied with a Bell Push in place of,
or in addition to a number. In the latter arrange-
ment the number is riveted below the centre line.

Extra for Bell Push 3/6 each

2377 Plate $10\frac{1}{2}'' \times 2\frac{5}{8}''$, Opening $7'' \times 1\frac{3}{4}''$, Bolt centres $9\frac{5}{8}''$.

Real B.M.A. 69/- each
Satin C.P. 80/- "
Extra for Engraved and Cream Enamelled
 $1''$ Figures 3/9 per figure

7902 Plate $10\frac{3}{8}'' \times 2\frac{3}{4}''$, Opening $8'' \times 1\frac{3}{4}''$, Bolt centres $9\frac{5}{16}''$.

Real B.M.A. 30/6 each
Satin C.P. 33/6 "
Polished C.P. 33/6 "

7918 Plate $10\frac{7}{8}'' \times 2\frac{3}{4}''$, Opening $8'' \times 1\frac{3}{4}''$, Bolt centres $9\frac{3}{4}''$.

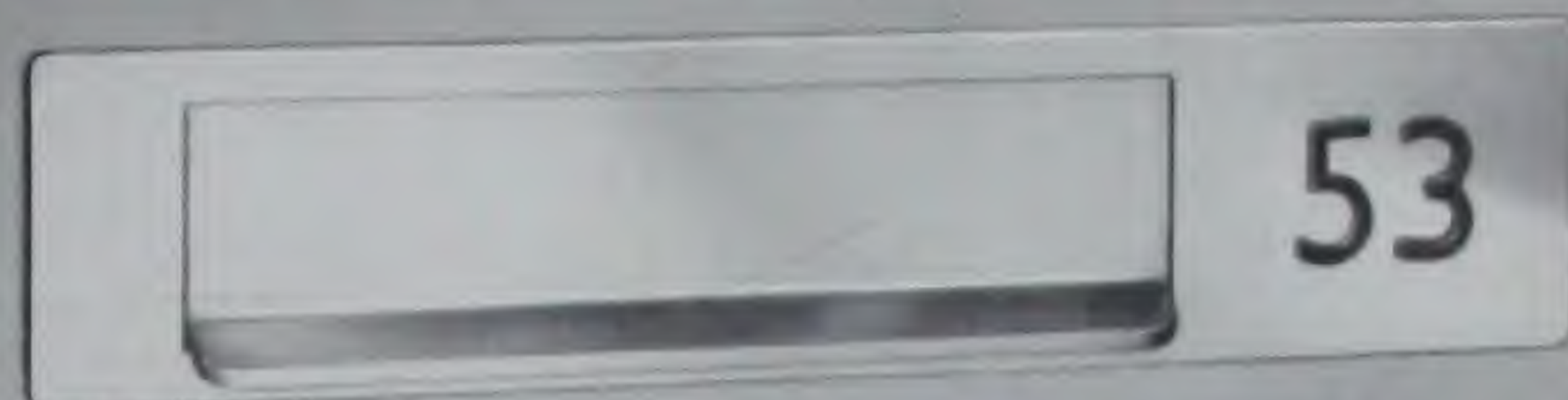
Real B.M.A. 35/6 each
Satin C.P. 40/- "

2406 Plate $10\frac{1}{2}'' \times 3\frac{1}{8}''$, Opening $8'' \times 1\frac{3}{4}''$, Bolt Centres $9\frac{3}{8}''$.

Silver Anodised 19/6 each

2925 Plate $10\frac{1}{8}'' \times 3\frac{1}{4}''$, Opening $8'' \times 1\frac{3}{4}''$, Bolt centres $9''$.

Bronze Vitreous Enamelled Iron .. 8/6 each



2407 & 2377



7902



7918



2406



2925



7905

LETTER PLATES

With Spring Flaps

7905 Plate $10\frac{1}{2}'' \times 3\frac{1}{2}''$, Opening $8'' \times 1\frac{3}{4}''$
Bolt centres $9\frac{1}{2}''$

Real B.M.A. 37/- each
Satin Nickel Bronze 39/- "

7917 Upright Plate $10\frac{1}{2}'' \times 2\frac{3}{4}''$, Opening $8'' \times 1\frac{3}{4}''$
Bolt centres $9\frac{5}{8}''$

Real B.M.A. 36/- each
Satin C.P. 40/- "

3746 Upright Plate $8'' \times 3\frac{1}{4}''$, Opening $5\frac{1}{2}'' \times 1\frac{1}{2}''$
Bolt centres $7''$

Real B.M.A. 21/6 each
Polished C.P. 24/- "

2392 Plate	$8'' \times 3\frac{1}{2}''$	$9'' \times 3\frac{3}{4}''$	$10'' \times 3\frac{1}{4}''$	$12'' \times 4\frac{1}{2}''$	$14'' \times 5''$
Opening	$6'' \times 1\frac{1}{2}''$	$6\frac{3}{4}'' \times 1\frac{3}{4}''$	$8'' \times 1\frac{3}{4}''$	$9\frac{3}{4}'' \times 2''$	$11'' \times 3''$
Bolt centres	$7''$	$7\frac{7}{8}''$	$9''$	$10\frac{7}{8}''$	$12\frac{1}{2}''$
Real B.M.A.	22/-	26/6	32/6	47/-	65/- each
Polished C.P.	24/-	30/6	36/-	52/-	76/- "

2401 Plate $9'' \times 3''$, Opening $7'' \times 1\frac{1}{2}''$, Bolt centres $8''$.
Silver Anodised 12/- each

7903 Plate $10\frac{1}{4}'' \times 2\frac{3}{4}''$, Opening $8'' \times 1\frac{3}{4}''$, Bolt centres $9\frac{3}{8}''$.
B.M.A. Finish on Diecast Alloy 15/- each
B.M.A. Finish on Brass 26/6 "

2934 Plate $8\frac{3}{8}'' \times 2\frac{7}{8}''$, Opening $6\frac{1}{4}'' \times 1\frac{1}{2}''$, Bolt centres $7\frac{7}{8}''$.
Bronze Vitreous Enamelled on Cast Iron .. 6/6 each



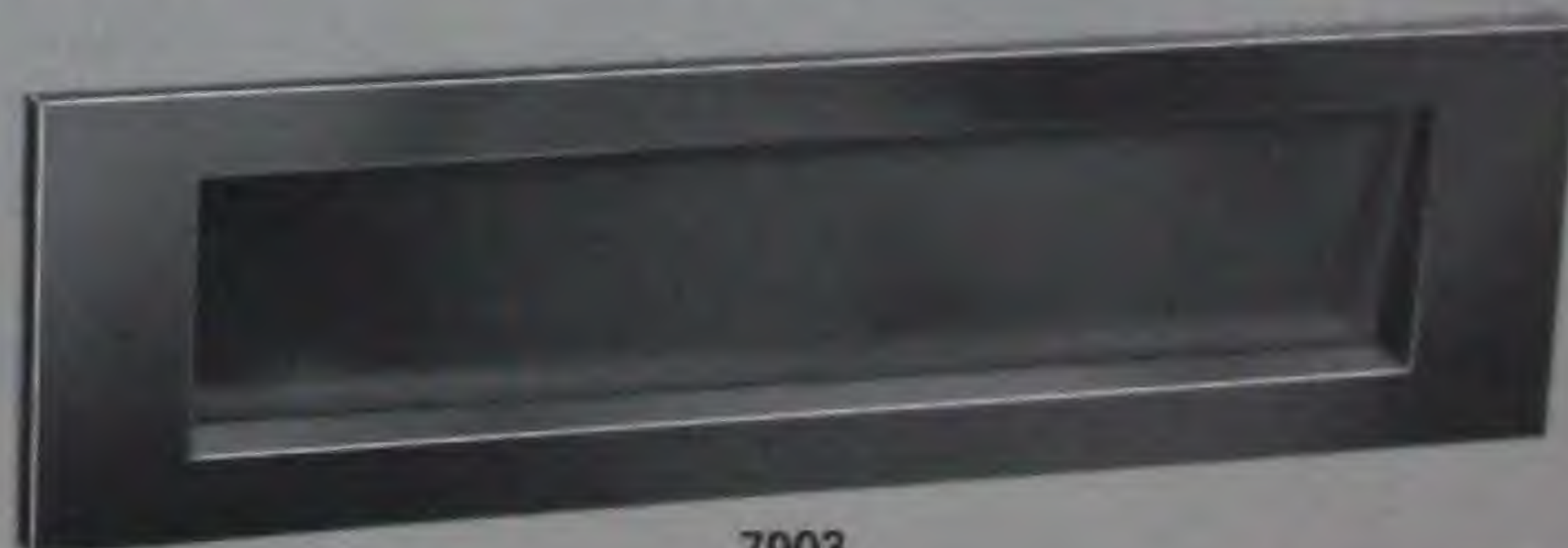
7917



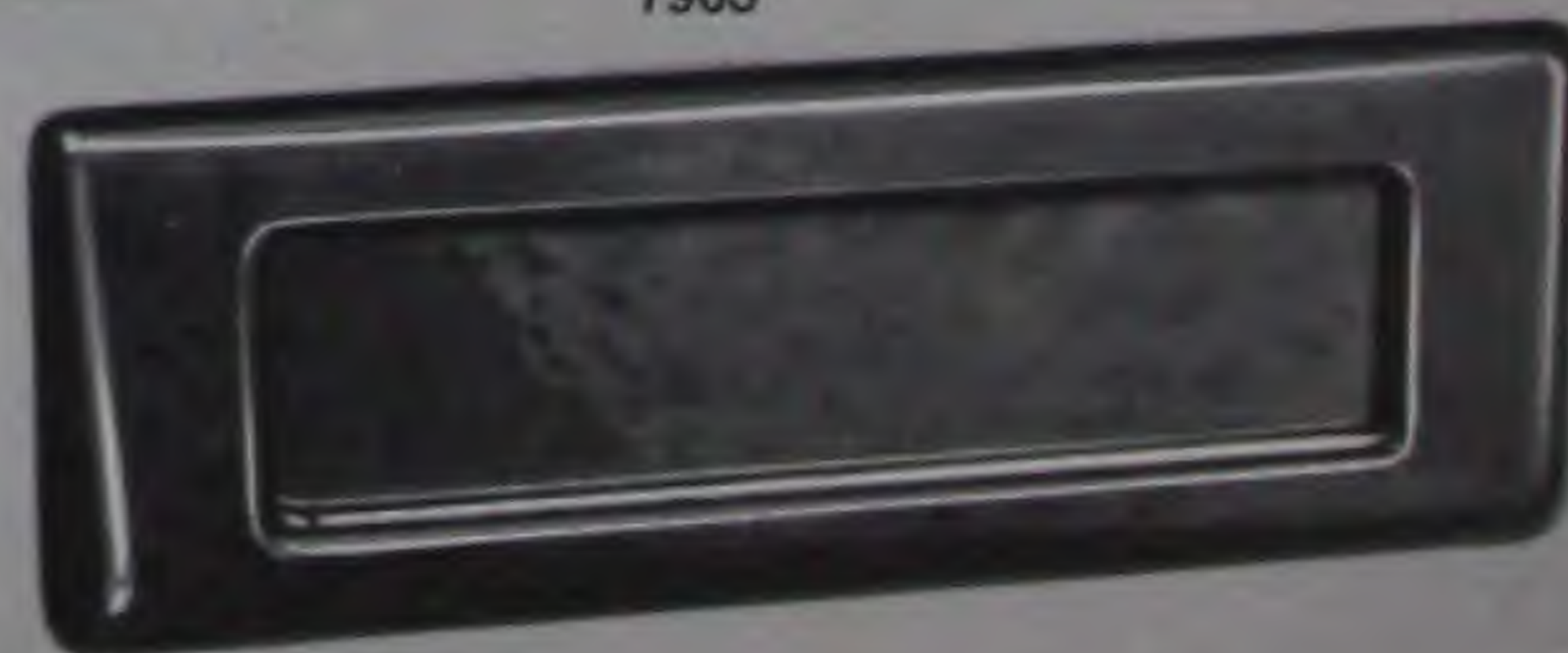
3746



2392 & 2401



7903



2934

INDICATING BOLTS

SURFACE PATTERNS

8541 Can be opened from outside in an emergency.

Bolt $2\frac{1}{2}" \times 1\frac{1}{2}"$. Plate $2\frac{1}{8}" \times 2\frac{1}{8}"$

B.M.A. Finish on Brass	21/6 each
Satin C.P.	23/6 "
Polished C.P.	23/6 "
Silver Anodised Aluminium	20/- "
Satin Silver Anodised Aluminium	21/- "

2378 Bolt $3" \times 1\frac{1}{4}"$. Plate $2\frac{1}{8}" \times 2"$

B.M.A. Finish on Brass	16/6 each
Satin C.P.	18/6 "
Polished C.P.	18/6 "

8540 With Rubber Buffer.

Bolt $3" \times 1\frac{1}{2}"$. Plate $2\frac{1}{4}" \times 2"$

B.M.A. Finish on Brass	28/6 each
Satin C.P.	31/6 "
Polished C.P.	31/6 "

3718 Bolt $2\frac{7}{8}" \times 1\frac{1}{8}"$. Plate $2\frac{1}{4}" \times 1\frac{1}{4}"$

B.M.A. Finish on Diecast Alloy	10/6 each
Satin C.P.	12/- "
Polished C.P.	12/- "

MORTICE PATTERNS

8543 Brass Bolt $2\frac{3}{4}"$. Diecast Plate $2\frac{1}{4}" \times 1\frac{1}{4}"$

Red and Green Indicator.

B.M.A. Finish	12/- each
Satin C.P.	13/- "
Satin Nickel Plated	13/- "

8544 Bolt $3"$. Plate $2\frac{1}{2}" \times 1\frac{1}{4}"$

Red and White Indicator.

Satin Silver Anodised Aluminium	13/- each
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All above prices include Wood Screws for fixing.



8541



2378



8540



3718



8543



8544



INDICATING FITTINGS AND LAVATORY LOCKS

"OGRO" INDICATING FURNITURE

7050/8547* Lever Handle on Backplate, with inside locking turn.

Satin Silver Finish 26/6 each

7050/8546* Lever Handle on Backplate, with Red and White Indicator and Emergency Keyway.

Satin Silver Finish 25/6 each

8545 Red and White Indicator, Plate 2" diameter with Emergency Keyway. Inside locking turn on 1 3/4" backplate.

Satin Silver Finish 15/9 each

This pattern matches Round Backplate Furniture on pages 42 and 43.

8548 Emergency Key for 8545 or 8546 .. 2/6 each

*Patterns 7050/8547 and 7050/8546 match 7050/7095 Furniture on page 42 in design and dimensions. Designs to match other Long Backplate Furniture on pages 41 to 43 are available if required.

For Locks to match 8547, 8546 and 8545, see page 120.

AUTOMATIC LAVATORY LOCKS

To open by insertion of One Penny. For doors opening inwards.

Illustrations show left hand. Right hand available.

3170 Case 13" x 4". Coin chamber secured by three-lever lock and one key. Capacity 120 pennies. With inside Knob, Bolt, Instruction Plate and Attendant's key.

Polished Brass 215/- each

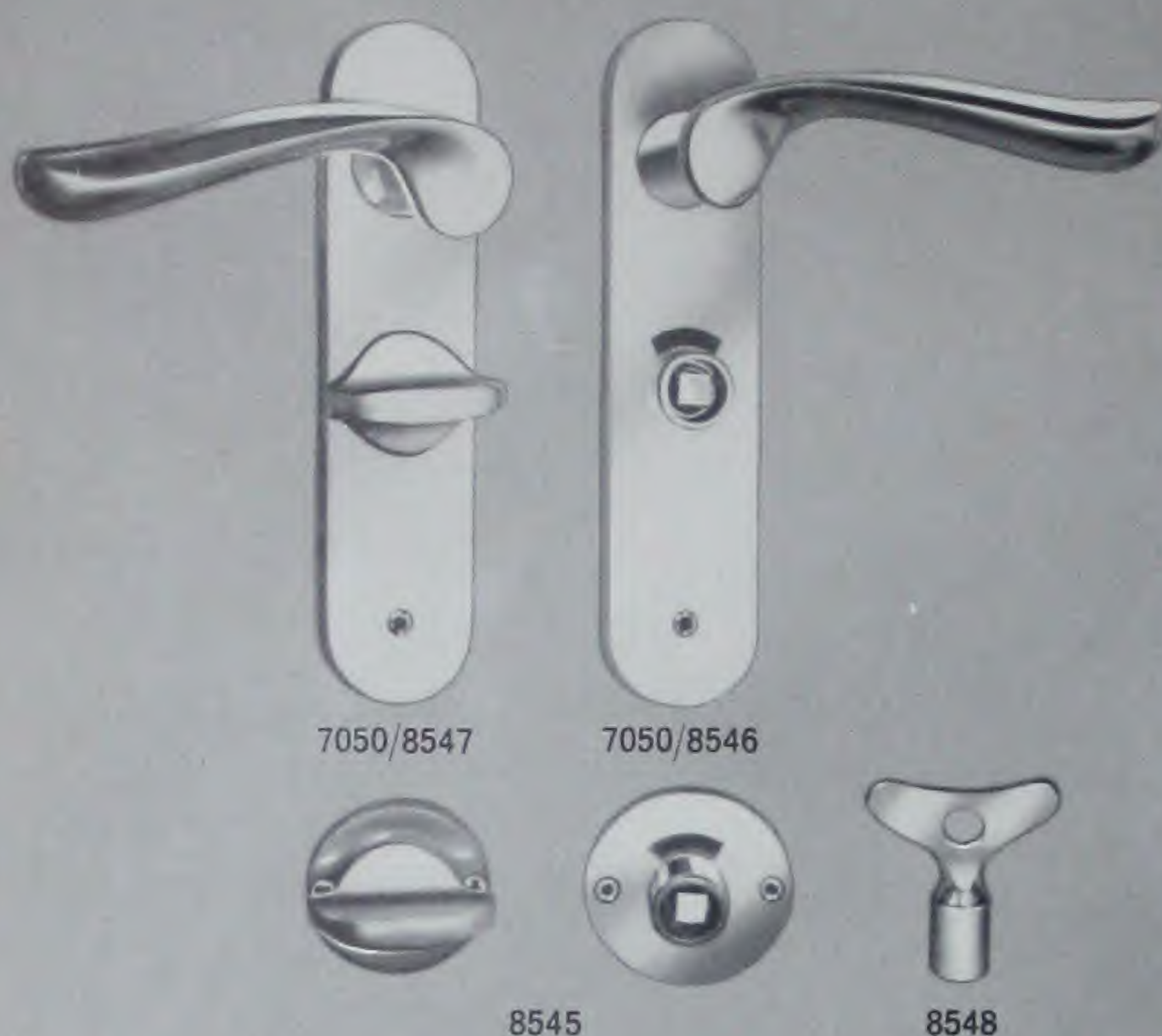
3166 Case 9 1/2" x 4". Coin chamber fitted with a four-lever lock with one key. Capacity 150 pennies. With inside Lever Handle on Plate and Attendant's key.

Japanned Iron 154/- each

Steel Bronzed on Brass 219/- "

Satin C.P. on Brass 250/- "

All prices on this page include Wood Screws for fixing.



3170



3166

BOLTS

2786. Flush Lever Pattern

Length	Width	Shoot	Real B.M.A.	Satin C.P.
6"	$\frac{3}{4}$ "	$\frac{3}{8}$ "	18/3	20/- each
8"	$\frac{3}{4}$ "	$\frac{3}{8}$ "	20/6	22/6 "
8"	1"	$\frac{1}{2}$ "	22/-	24/9 "
10"	1"	$\frac{1}{2}$ "	26/3	29/- "
12"	1"	$\frac{1}{2}$ "	29/6	32/6 "
12"	1 $\frac{1}{4}$ "	$\frac{5}{8}$ "	37/6	41/6 "

8553. Flush Lever Pattern. Easy action.
Lever operates in opposite direction to shoot.

Length	Width	Shoot	Real B.M.A.	Satin C.P.
6"	1"	$\frac{1}{2}$ "	21/3	24/6 each
8"	1"	$\frac{1}{2}$ "	25/-	28/- "
10"	1"	$\frac{1}{2}$ "	29/6	33/- "

2128. Flush Slide Pattern

Length	Width	Shoot	Real B.M.A.	Satin C.P.
3"	$\frac{1}{2}$ "	$\frac{1}{4}$ "	6/6	7/- each
4"	$\frac{1}{2}$ "	$\frac{1}{4}$ "	7/-	7/6 "
4"	$\frac{5}{8}$ "	$\frac{5}{16}$ "	7/6	8/- "
6"	$\frac{5}{8}$ "	$\frac{5}{16}$ "	9/3	9/9 "
6"	$\frac{3}{4}$ "	$\frac{3}{8}$ "	9/9	10/3 "
8"	$\frac{3}{4}$ "	$\frac{3}{8}$ "	14/9	15/6 "

8554. Mortice Pattern, Knob Slide

Length	Width	Shoot	Real B.M.A.	Satin C.P.
8"	1"	$\frac{5}{16}$ "	17/9	21/- each
10"	1"	$\frac{5}{16}$ "	21/-	24/6 "

8555. Surface Pattern

Length	Width	Shoot	Real B.M.A.	Satin C.P.
8"	1 $\frac{5}{8}$ "	$\frac{1}{2}$ " \times $\frac{3}{8}$ "	55/6	58/6 each
12"	1 $\frac{3}{4}$ "	$\frac{1}{2}$ " \times $\frac{1}{2}$ "	64/-	69/6 "

8556. Surface Pattern

Length	Width	Shoot	Real B.M.A.	Satin C.P.
8"	1 $\frac{1}{2}$ "	$\frac{3}{8}$ " \times $\frac{3}{8}$ "	36/6	39/6 each
12"	1 $\frac{1}{2}$ "	$\frac{3}{8}$ " \times $\frac{3}{8}$ "	43/6	49/- "

8557* Dust-excluding Socket. Spring-loaded.
Faceplate 2" diameter. Overall depth 2 $\frac{1}{4}$ ".

B.M.A. Finish on Brass	..	..	..	11/- each
Satin C.P.	..	..	..	13/- "

8558* Easy-clean Socket

Faceplate 3" \times $\frac{7}{8}$ ". Overall depth $\frac{3}{4}$ ".

Real B.M.A...	..	..	..	4/6 each
Satin C.P.	..	..	..	6/- "

2130* Tube Socket, for concrete .. 1/- each

*Available for $\frac{3}{8}$ ", $\frac{1}{2}$ " or $\frac{5}{8}$ " round shoots. Please state size required when ordering.



2786



8553



2128



8554



8555



8556



8557



8558



8550 & 8551



8560



3987 & 4006



4932 & 4934



4460



2631

BOLTS

BARREL PATTERN, with Round Shoots

8550 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	
B.M.A. on Brass	6/-	7/6	10/-	each
Satin C.P.	6/6	8/6	11/6	"

8551 1 $\frac{1}{2}$ " wide, $\frac{1}{2}$ " Straight Brass shoot.

	6"	8"	10"	
B.M.A. on Brass	12/6	14/6	17/6	each
Satin C.P.	14/-	16/-	19/6	"

8560 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Necked Brass shoot, length 6"

B.M.A. on Brass	8/6	each
Satin C.P.	9/6	"

3987 1" wide, $\frac{5}{16}$ " Straight Sherardized steel shoot.

	2"	3"	4"	
Brass	2/3	2/6	2/9	each

4006 1" wide, $\frac{5}{16}$ " Straight Brass shoot.

	2"	3"	4"	
B.M.A. on Brass	2/9	3/3	3/9	each
Polished C.P.	3/-	3/6	4/-	"

4932 1" wide, $\frac{5}{16}$ " Necked Sherardized steel shoot.

	3"	4"	
Brass	4/-	4/6	each

4934 1" wide, $\frac{5}{16}$ " Necked Brass shoot.

	3"	4"	
B.M.A. on Brass	4/9	5/-	each
Polished C.P.	5/-	5/3	"

BARREL PATTERN, with Square Shoots

4460 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	10"	
B.M.A. on Brass	7/6	9/-	11/-	14/-	each
Satin C.P.	8/6	10/6	13/6	16/-	"
Satin Nickel Bronze	9/6	12/-	14/6	18/-	"

"CITADEL" BOLT

2631 A very effective locking device—the more the door is forced the firmer it grips. Size of hinge plate 1 $\frac{1}{8}$ " x 1 $\frac{1}{8}$ ".

Dipped Brass	5/6	each
B.M.A. on Brass	8/-	"

BOLTS

BARREL PATTERN, with Round Shoots

3993 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

	2"	3"	4"	
Silver Finish	2/9	3/-	3/3	each
Satin Silver Finish	3/-	3/3	3/6	"

8561 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Necked Cadmium plated steel shoot.

	3"	4"	
Silver Finish	3/3	3/6	each
Satin Silver Finish	3/9	4/-	"

8552 Anodised Aluminium, 1 $\frac{1}{4}$ " wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

	6"	8"	
Silver Finish	5/-	6/-	each
Satin Silver Finish	5/6	6/6	"

3991 Flat Pattern, Concealed Fixing, Anodised Aluminium $\frac{3}{4}$ " wide.

	3"	4"	
Silver Finish	2/3	2/6	each
Satin Silver Finish	2/9	3/-	"

STEEL GARAGE BOLTS

2245 Foot-operated, 8" x $\frac{5}{8}$ " Square Sherardized shoot.

With Japanned Plate	5/-	each
With Sherardized Plate	6/-	"

2222 Chain Bolt. Spring Action, 8" x $\frac{5}{8}$ " Square Sherardized shoot, 18" Galvanized chain.

With Japanned Plate	5/-	each
With Sherardized Plate	6/-	"

2240 Square Spring Bolt. $\frac{3}{4}$ " Polished shoot, Japanned plate.

8"	10"	12"
8/6	9/-	10/6

2241 Monkey Tail Bolt. Polished shoot, Japanned plate.

18"	24"	30"	36"
10/6	15/9	19/3	

18" size has $\frac{5}{8}$ " shoot. Remain-

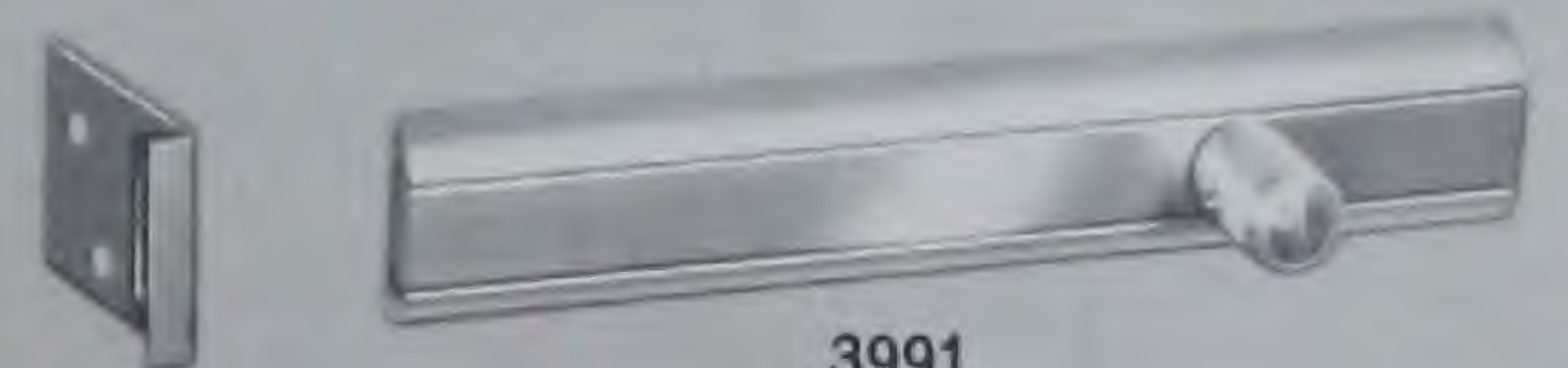
Extra



3993 & 8552



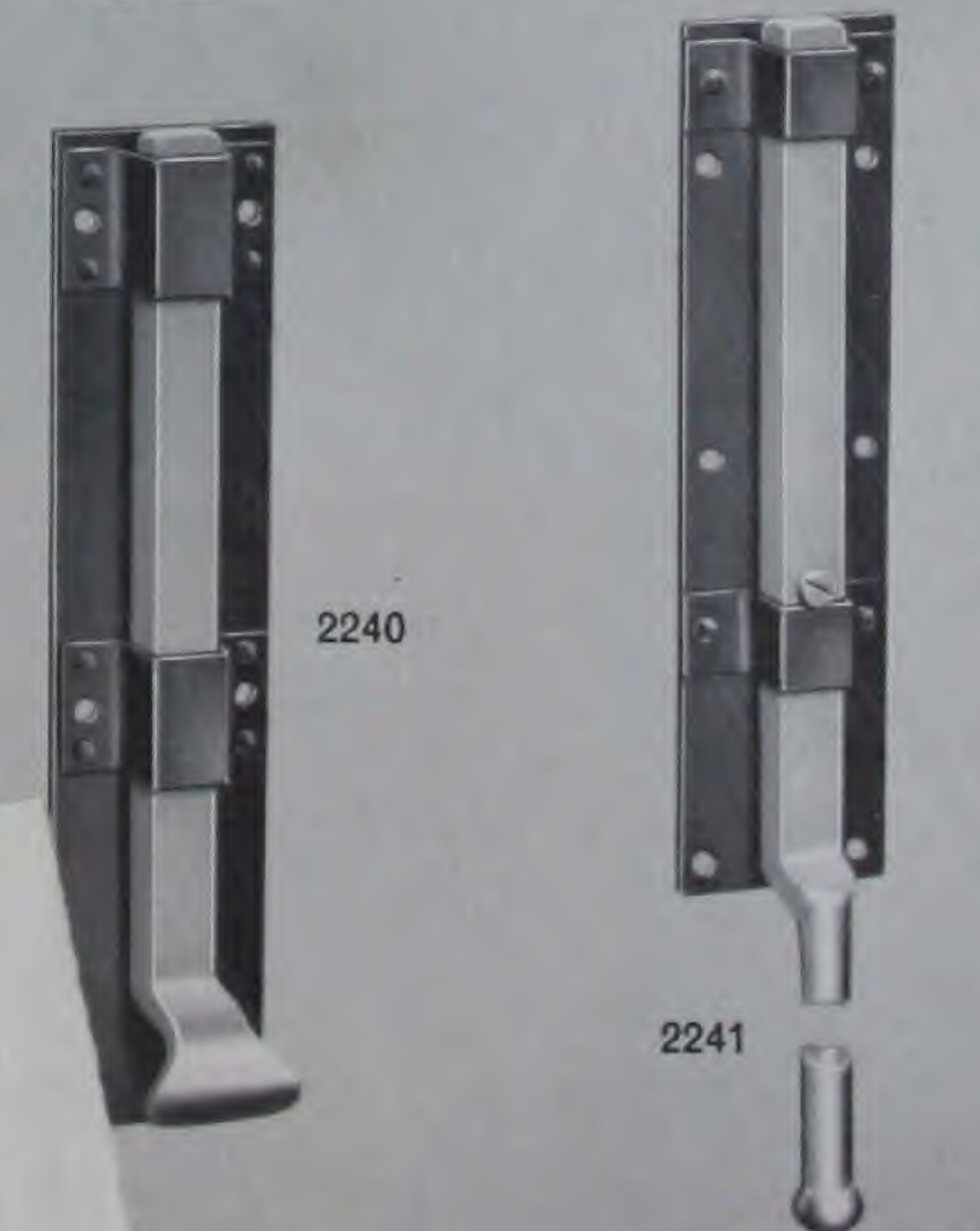
8561



3991



2222



2245



2240



2241





8550 & 8551



8560



3987 & 4006



4932 & 4934



4460



2631

BOLTS

BARREL PATTERN, with Round Shoots

8550	1½" wide, ⅜" Straight Brass shoot	6"	8"
B.M.A. on Brass	7/6	10/-	each
Satin C.P.	8/6	11/6	"

8551	1½" wide, ½" Straight Brass shoot	6"	8"	10"
B.M.A. on Brass	14/6	17/6	each	
Satin C.P.	16/-	19/6	"	

8560	1½" wide, ⅜" Necked Brass shoot length 6"		
B.M.A. on Brass	8/6	each	
Satin C.P.	9/6	"	

3987	1" wide, ⅝" Straight Sherardize steel shoot.	3"	4"
Brass	2/6	2/9	each

4006	1" wide, ⅝" Straight Brass shoot	3"	4"
B.M.A. on Brass	3/3	3/9	each
Polished C.P.	3/6	4/-	"

4932	1" wide, ⅝" Necked Sherardize steel shoot.	3"	4"
Brass	4/-	4/6	each

4934	1" wide, ⅝" Necked Brass shoot	3"	4"
B.M.A. on Brass	4/9	5/-	each
Polished C.P.	5/-	5/3	"

BARREL PATTERN, with Square Shoots

4460	1½" wide, ⅜" Straight Brass shoot	4"	8"	10"
B.M.A. on Brass	7/6	9/-	11/-	14/- each
Satin C.P.	8/6	10/-	13/6	16/- "
Satin Nickel Bronze	9/6	12/-	14/6	18/- "

"CITADEL" BOLT

2631	A very effective locking device the more the door is forced the firmer it grips. Size of large plate 1½" x 1½".			
Dipped Brass	5/6	each		
B.M.A. on Brass	8/-	"		

BOLTS

BARREL PATTERN, with Round Shoots

3993 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot

	2"	3"	4"	
Silver Finish	2/9	3/-	3/3	each
Satin Silver Finish	3/-	3/3	3/6	"

8561 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Necked Cadmium plated steel shoot

	3"	4"	
Silver Finish	3/3	3/6	each
Satin Silver Finish	3/9	4/-	"

8552 Anodised Aluminium, 1 $\frac{1}{4}$ " wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot

	6"	8"	
Silver Finish	5/-	6/-	each
Satin Silver Finish	5/6	6/6	"

3991 Flat Pattern Concealed Fixing, Anodised Aluminium $\frac{3}{4}$ " wide.

	3"	4"	
Silver Finish	2/3	2/6	each
Satin Silver Finish	2/9	3/-	"

SMALL GARAGE BOLTS

2245 Foot-operated 38" x $\frac{5}{8}$ " Square Sherardized shoot.

With Japanned plate	5/-	each
With Sherardized plate	6/-	"

2222 Chain Bolt Lifting Action, 8" x $\frac{5}{8}$ " Square Sherardized shoot, 18" Galvanized chain.

With Japanned plate	5/-	each
With Sherardized plate	6/-	"

2240 Square Spring Bolt, $\frac{3}{4}$ " Polished shoot, Japanned plate.

8"	10"	12"
8/6	9/-	10/6

each

2241 Monkey Tail Bolt, Polished shoot, Japanned plate.

18"	24"	30"	36"
10/6	15/9	19/3	24/6

each

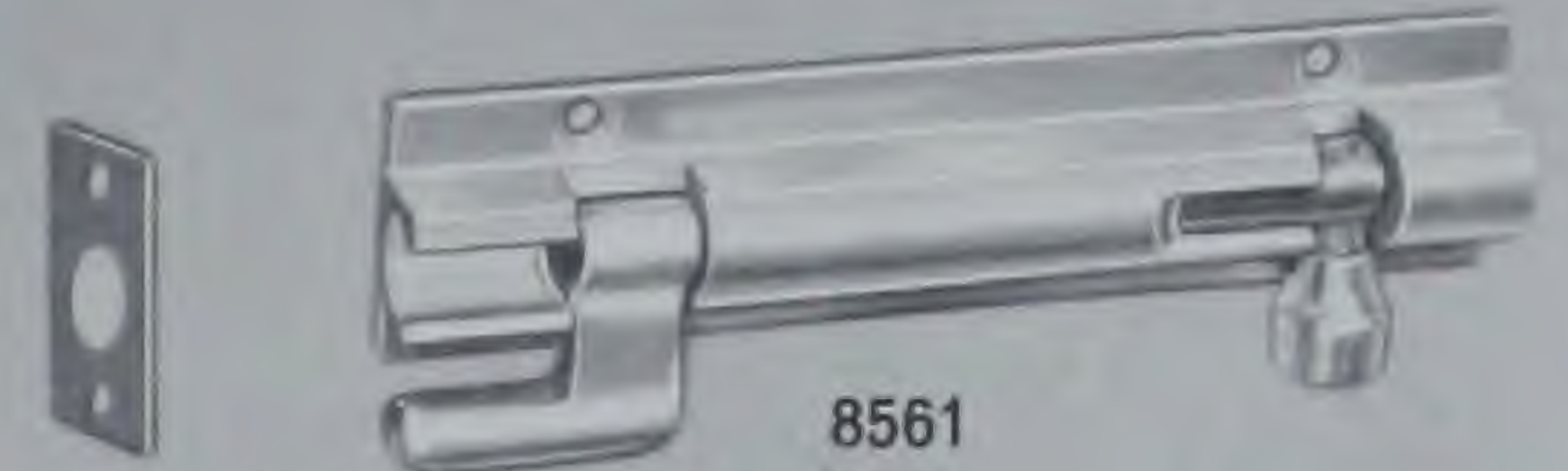
18" size has $\frac{1}{8}$ " shoot. Remainder have $\frac{3}{4}$ ".

Extras for 2240 and 2241:—

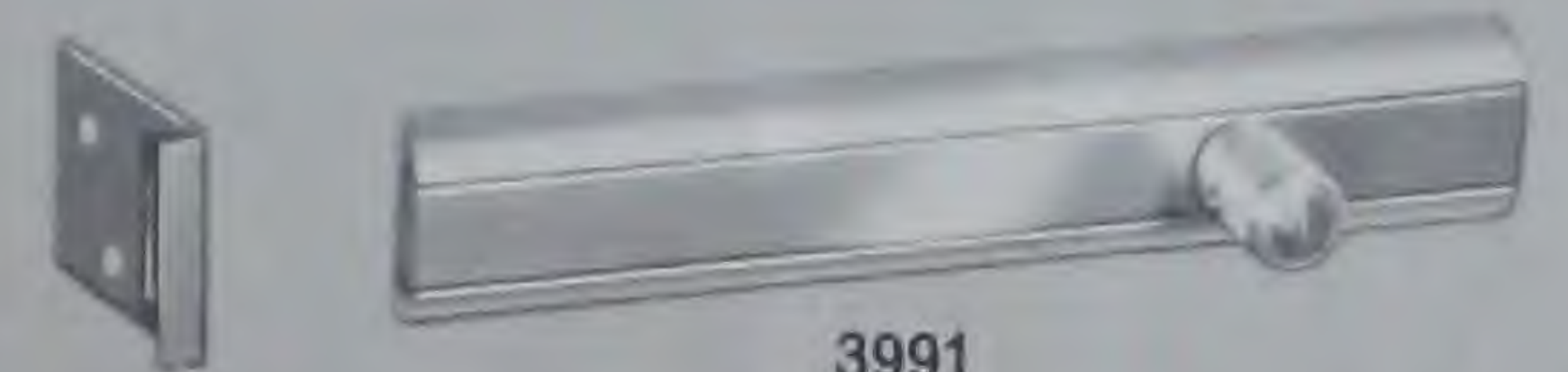
Staples .. 9d. each. Flat plates for wood .. 9d. each.
Sockets for stone, $\frac{1}{4}$ " .. 1/9 each; $\frac{3}{4}$ " .. 2/- each.



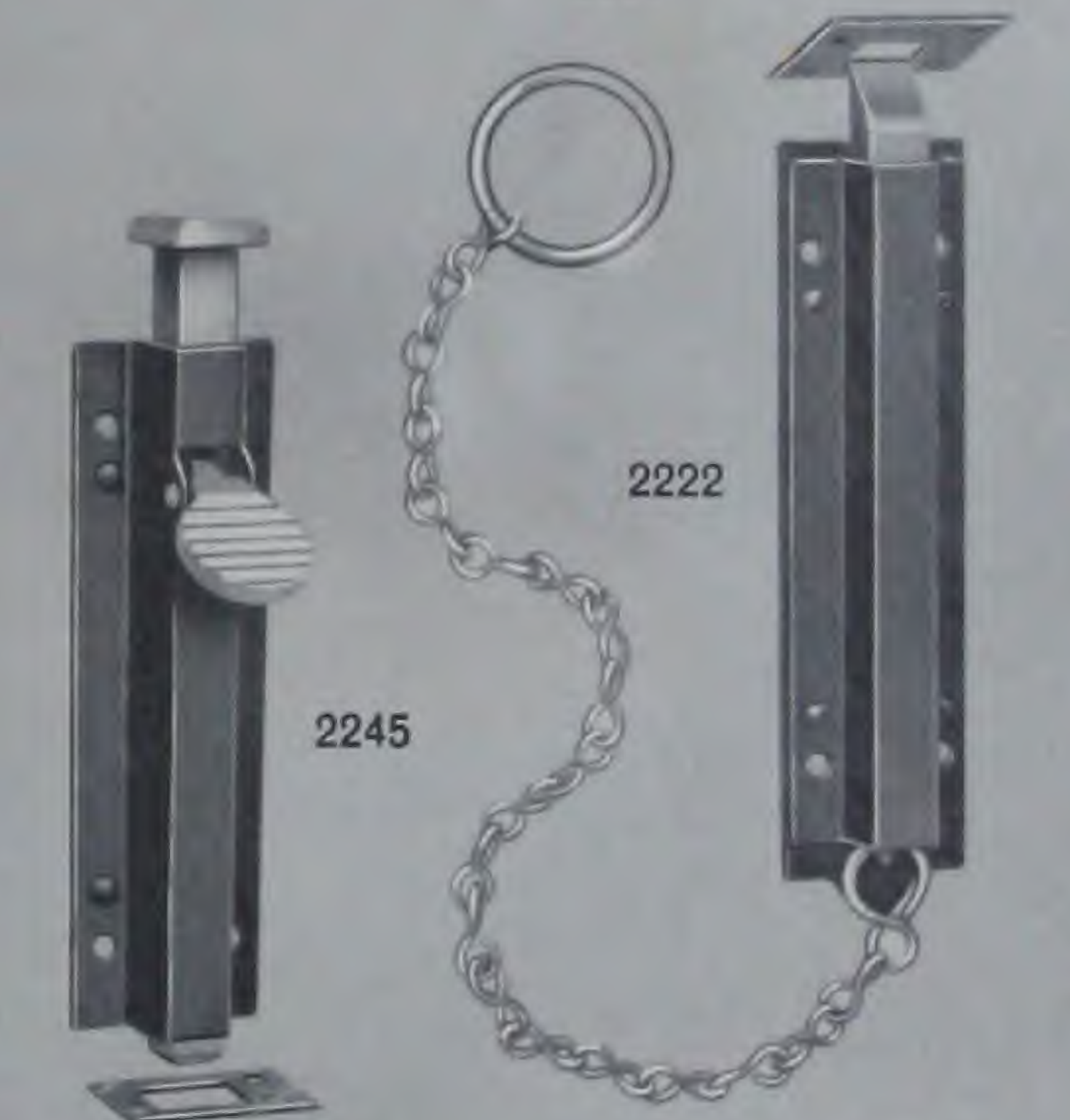
3993 & 8552



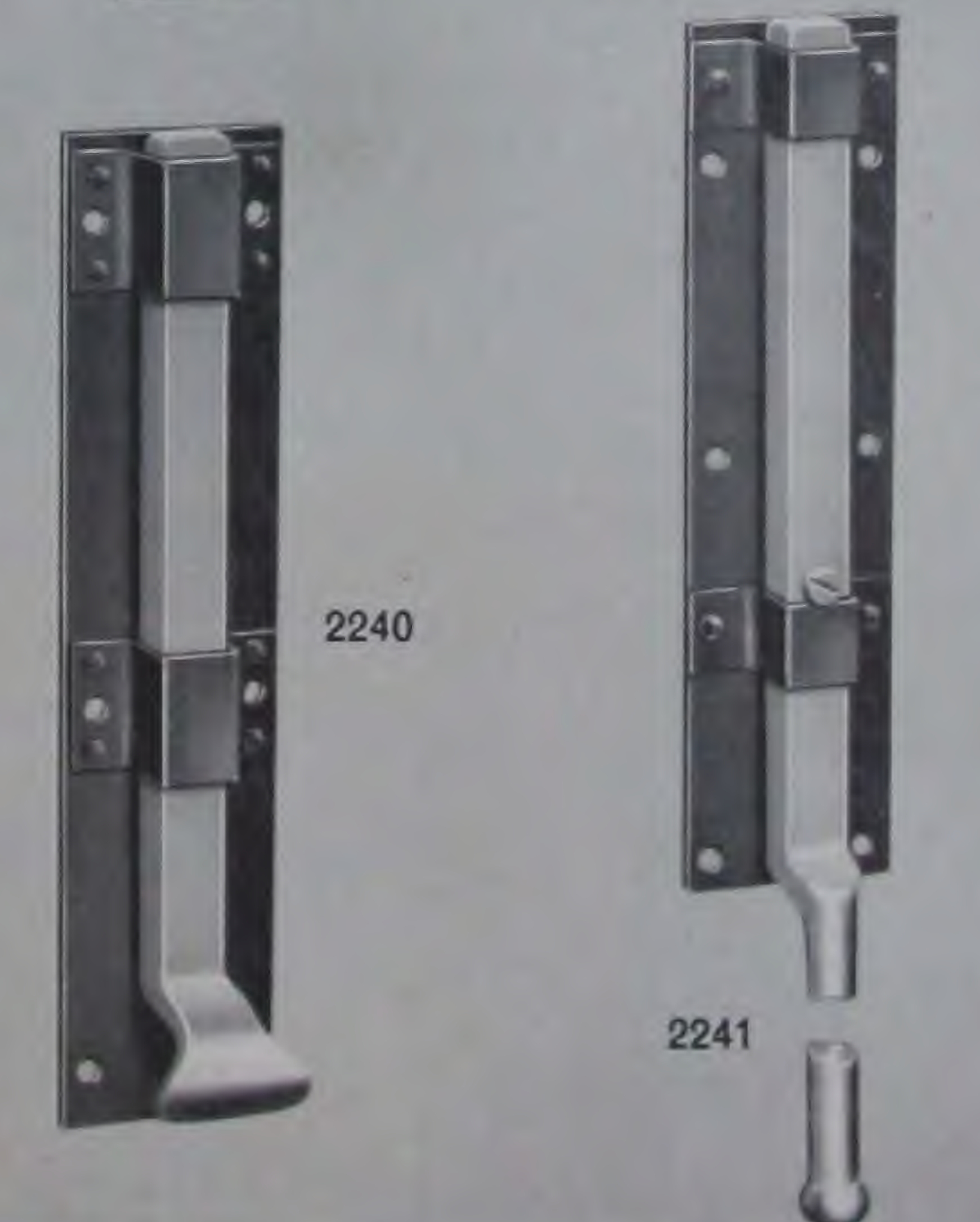
8561



3991



2222



2245



2240



2241



8550 & 8551



8560



3987 & 4006



4932 & 4934



4460



2631

BOLTS

BARREL PATTERN, with Round Shoots

8550 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	
B.M.A. on Brass	6/-	7/6	10/-	each
Satin C.P.	6/6	8/6	11/6	"

8551 1 $\frac{1}{2}$ " wide, $\frac{1}{2}$ " Straight Brass shoot.

	6"	8"	10"	
B.M.A. on Brass	12/6	14/6	17/6	each
Satin C.P.	14/-	16/-	19/6	"

8560 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Necked Brass shoot, length 6"

B.M.A. on Brass	8/6	each
Satin C.P.	9/6	"

3987 1" wide, $\frac{5}{16}$ " Straight Sherardized steel shoot.

	2"	3"	4"	
Brass	2/3	2/6	2/9	each

4006 1" wide, $\frac{5}{16}$ " Straight Brass shoot.

	2"	3"	4"	
B.M.A. on Brass	2/9	3/3	3/9	each
Polished C.P.	3/-	3/6	4/-	"

4932 1" wide, $\frac{5}{16}$ " Necked Sherardized steel shoot.

	3"	4"	
Brass	4/-	4/6	each

4934 1" wide, $\frac{5}{16}$ " Necked Brass shoot.

	3"	4"	
B.M.A. on Brass	4/9	5/-	each
Polished C.P.	5/-	5/3	"

BARREL PATTERN, with Square Shoots

4460 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	10"	
B.M.A. on Brass	7/6	9/-	11/-	14/-	each
Satin C.P.	8/6	10/6	13/6	16/-	"
Satin Nickel Bronze	9/6	12/-	14/6	18/-	"

"CITADEL" BOLT

2631 A very effective locking device—the more the door is forced the firmer it grips. Size of hinge plate 1 $\frac{1}{8}$ " x 1 $\frac{1}{8}$ ".

Dipped Brass	5/6	each
B.M.A. on Brass	8/-	"

BOLTS

BARREL PATTERN, with Round Shoots

3993 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

		2"	3"	4"	
Silver Finish	..	2/9	3/-	3/3	each
Satin Silver Finish	..	3/-	3/3	3/6	..

8561 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Necked Cadmium plated steel shoot.

		3"	4"	
Silver Finish	..	3/3	3/6	each
Satin Silver Finish	..	3/9	4/-	..

8552 Anodised Aluminium, 1 $\frac{1}{4}$ " wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

		6"	8"	
Silver Finish	..	5/-	6/-	each
Satin Silver Finish	..	5/6	6/6	..

3991 Flat Pattern, Concealed Fixing, Anodised Aluminium $\frac{3}{4}$ " wide.

		3"	4"	
Silver Finish	..	2/3	2/6	each
Satin Silver Finish	..	2/9	3/-	..

STEEL GARAGE BOLTS

2245 Foot-operated, 8" x $\frac{5}{8}$ " Square Sherardized shoot.

With Japanned Plate	..	5/-	each
With Sherardized Plate	..	6/-	..

2222 Chain Bolt. Spring Action, 8" x $\frac{5}{8}$ " Square Sherardized shoot, 18" Galvanized chain.

With Japanned Plate	..	5/-	each
With Sherardized Plate	..	6/-	..

2240 Square Spring Bolt. $\frac{3}{4}$ " Polished shoot, Japanned plate.

8"	10"	12"	
8/6	9/-	10/6	each

2241 Monkey Tail Bolt. Polished shoot, Japanned plate.

18"	24"	30"	36"
10/6	15/9	19/3	24/6

18" size has $\frac{5}{8}$ " shoot. Remainder have $\frac{3}{4}$ ".

Extras for 2240 and 2241:—

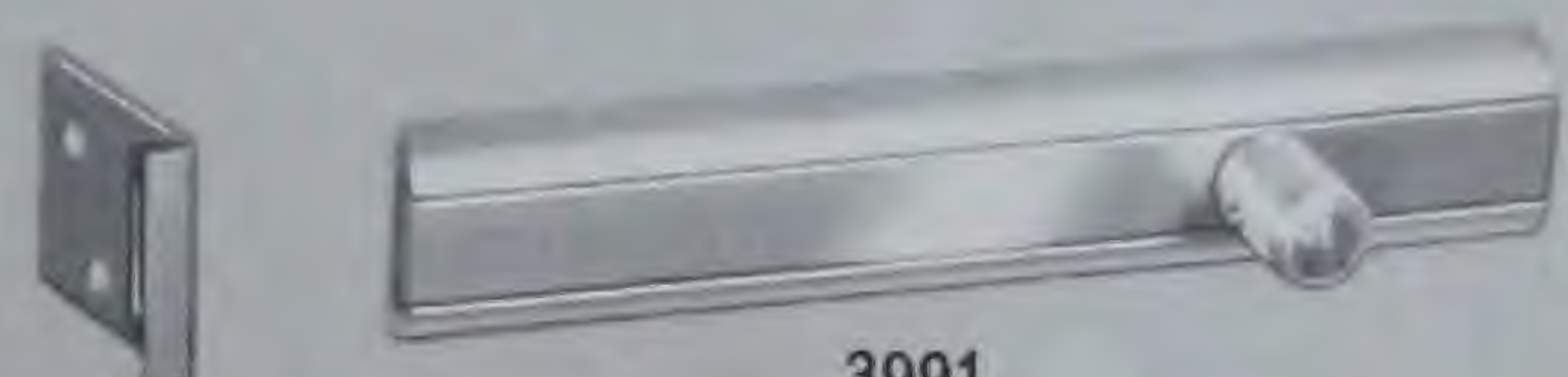
Staples .. 9d. each. Flat plates for wood .. 9d. each.
Sockets for stone, $\frac{5}{8}$ " .. 1/9 each; $\frac{3}{4}$ " .. 2/- each.



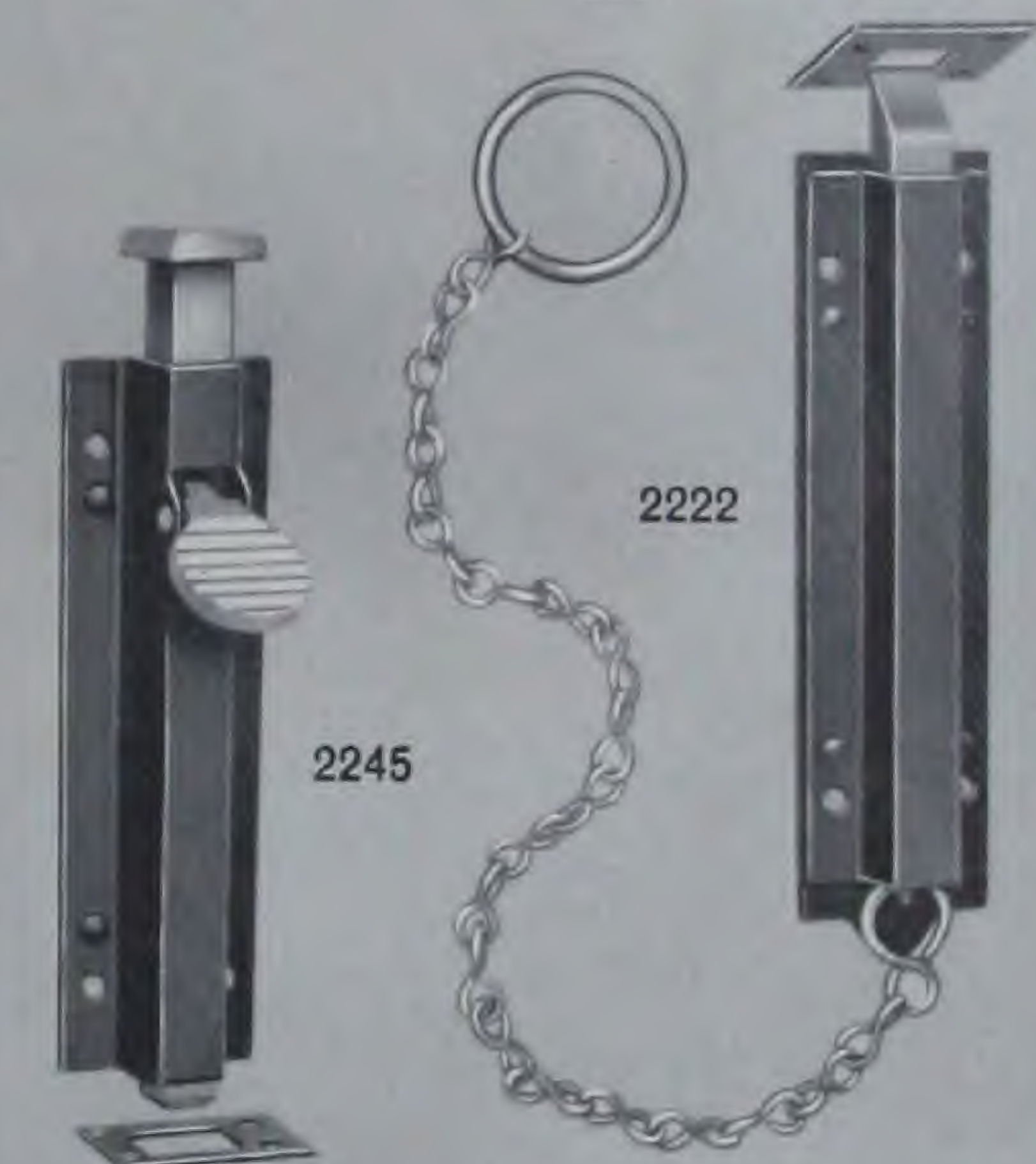
3993 & 8552



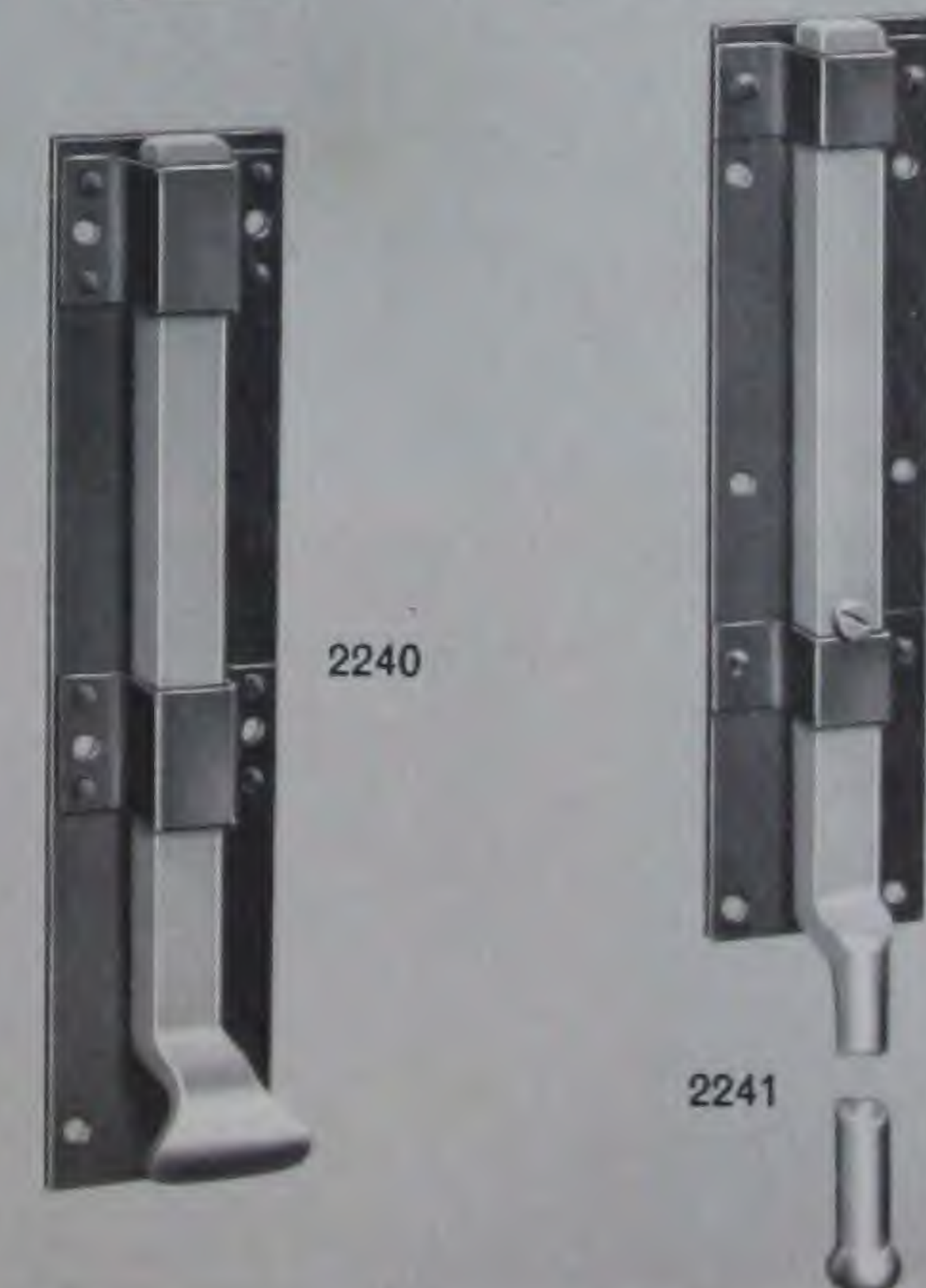
8561



3991



2222

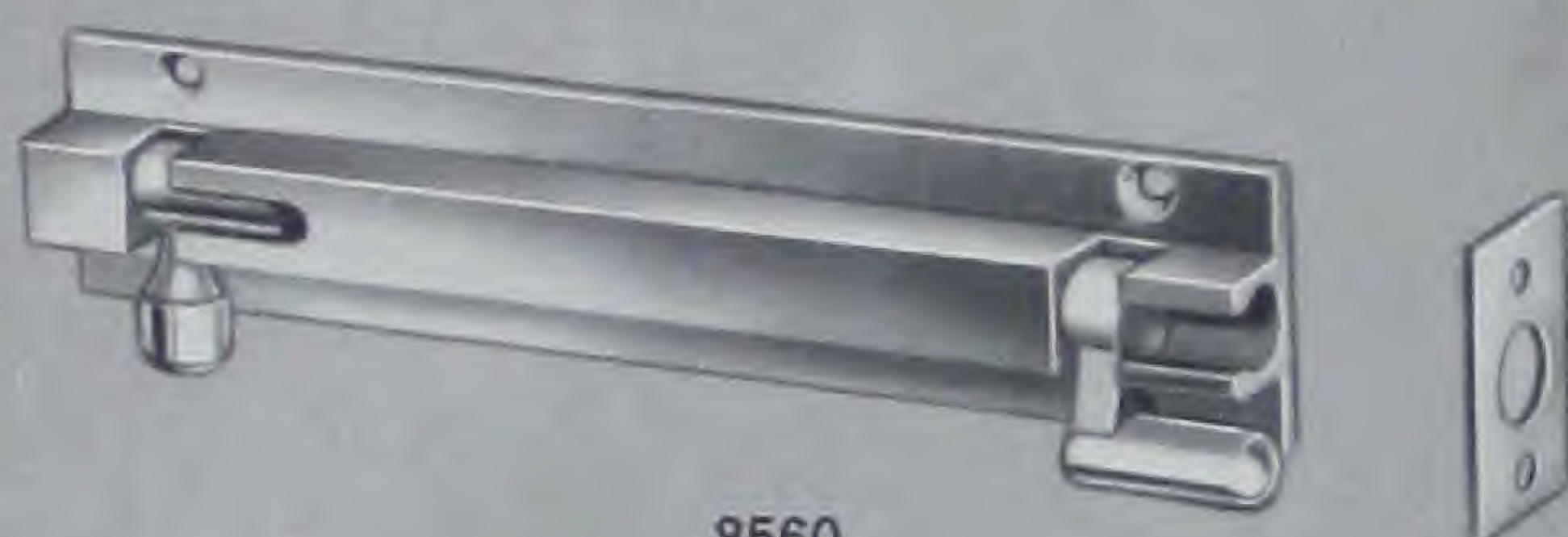


2240

2241



8550 & 8551



8560



3987 & 4006



4932 & 4934



4460



2631

BOLTS

BARREL PATTERN, with Round Shoots

8550 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	
B.M.A. on Brass	6/-	7/6	10/-	each
Satin C.P.	6/6	8/6	11/6	"

8551 1 $\frac{1}{2}$ " wide, $\frac{1}{2}$ " Straight Brass shoot.

	6"	8"	10"	
B.M.A. on Brass	12/6	14/6	17/6	each
Satin C.P.	14/-	16/-	19/6	"

8560 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Necked Brass shoot, length 6"

B.M.A. on Brass	8/6	each
Satin C.P.	9/6	"

3987 1" wide, $\frac{5}{16}$ " Straight Sherardized steel shoot.

	2"	3"	4"	
Brass	2/3	2/6	2/9	each

4006 1" wide, $\frac{5}{16}$ " Straight Brass shoot.

	2"	3"	4"	
B.M.A. on Brass	2/9	3/3	3/9	each
Polished C.P.	3/-	3/6	4/-	"

4932 1" wide, $\frac{5}{16}$ " Necked Sherardized steel shoot.

	3"	4"	
Brass	4/-	4/6	each

4934 1" wide, $\frac{5}{16}$ " Necked Brass shoot.

	3"	4"	
B.M.A. on Brass	4/9	5/-	each
Polished C.P.	5/-	5/3	"

BARREL PATTERN, with Square Shoots

4460 1 $\frac{1}{4}$ " wide, $\frac{3}{8}$ " Straight Brass shoot.

	4"	6"	8"	10"	
B.M.A. on Brass	7/6	9/-	11/-	14/-	each
Satin C.P.	8/6	10/6	13/6	16/-	"
Satin Nickel Bronze	9/6	12/-	14/6	18/-	"

"CITADEL" BOLT

2631 A very effective locking device—the more the door is forced the firmer it grips. Size of hinge plate 1 $\frac{1}{8}$ " x 1 $\frac{1}{8}$ ".

Dipped Brass	5/6	each
B.M.A. on Brass	8/-	"

BOLTS

BARREL PATTERN, with Round Shoots

3993 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

			2"	3"	4"	
Silver Finish	..	..	2/9	3/-	3/3	each
Satin Silver Finish	..	..	3/-	3/3	3/6	..

8561 Anodised Aluminium, 1" wide, $\frac{5}{16}$ " Necked Cadmium plated steel shoot.

				3"	4"	
Silver Finish	..	..	..	3/3	3/6	each
Satin Silver Finish	..	..	..	3/9	4/-	..

8552 Anodised Aluminium, 1 $\frac{1}{4}$ " wide, $\frac{5}{16}$ " Straight Cadmium plated steel shoot.

				6"	8"	
Silver Finish	..	..	..	5/-	6/-	each
Satin Silver Finish	..	..	..	5/6	6/6	..

3991 Flat Pattern, Concealed Fixing, Anodised Aluminium $\frac{3}{4}$ " wide.

				3"	4"	
Silver Finish	..	..	..	2/3	2/6	each
Satin Silver Finish	..	..	..	2/9	3/-	..

STEEL GARAGE BOLTS

2245 Foot-operated, 8" x $\frac{5}{8}$ " Square Sherardized shoot.

With Japanned Plate	..	..	..	5/-	each
With Sherardized Plate	..	..	..	6/-	..

2222 Chain Bolt. Spring Action, 8" x $\frac{5}{8}$ " Square Sherardized shoot, 18" Galvanized chain.

With Japanned Plate	..	..	..	5/-	each
With Sherardized Plate	..	..	..	6/-	..

2240 Square Spring Bolt. $\frac{3}{4}$ " Polished shoot, Japanned plate.

8"	10"	12"	
8/6	9/-	10/6	each

2241 Monkey Tail Bolt. Polished shoot, Japanned plate.

18"	24"	30"	36"
10/6	15/9	19/3	24/6 each

18" size has $\frac{5}{8}$ " shoot. Remainder have $\frac{3}{4}$ ".

Extras for 2240 and 2241:—

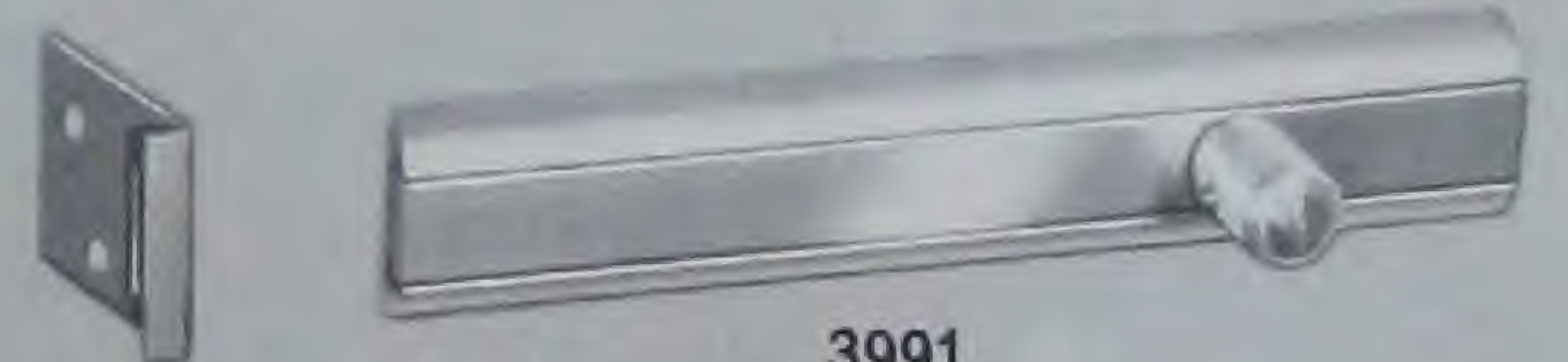
Staples .. 9d. each. Flat plates for wood .. 9d. each.
Sockets for stone, $\frac{5}{8}$ " .. 1/9 each; $\frac{3}{4}$ " .. 2/- each.



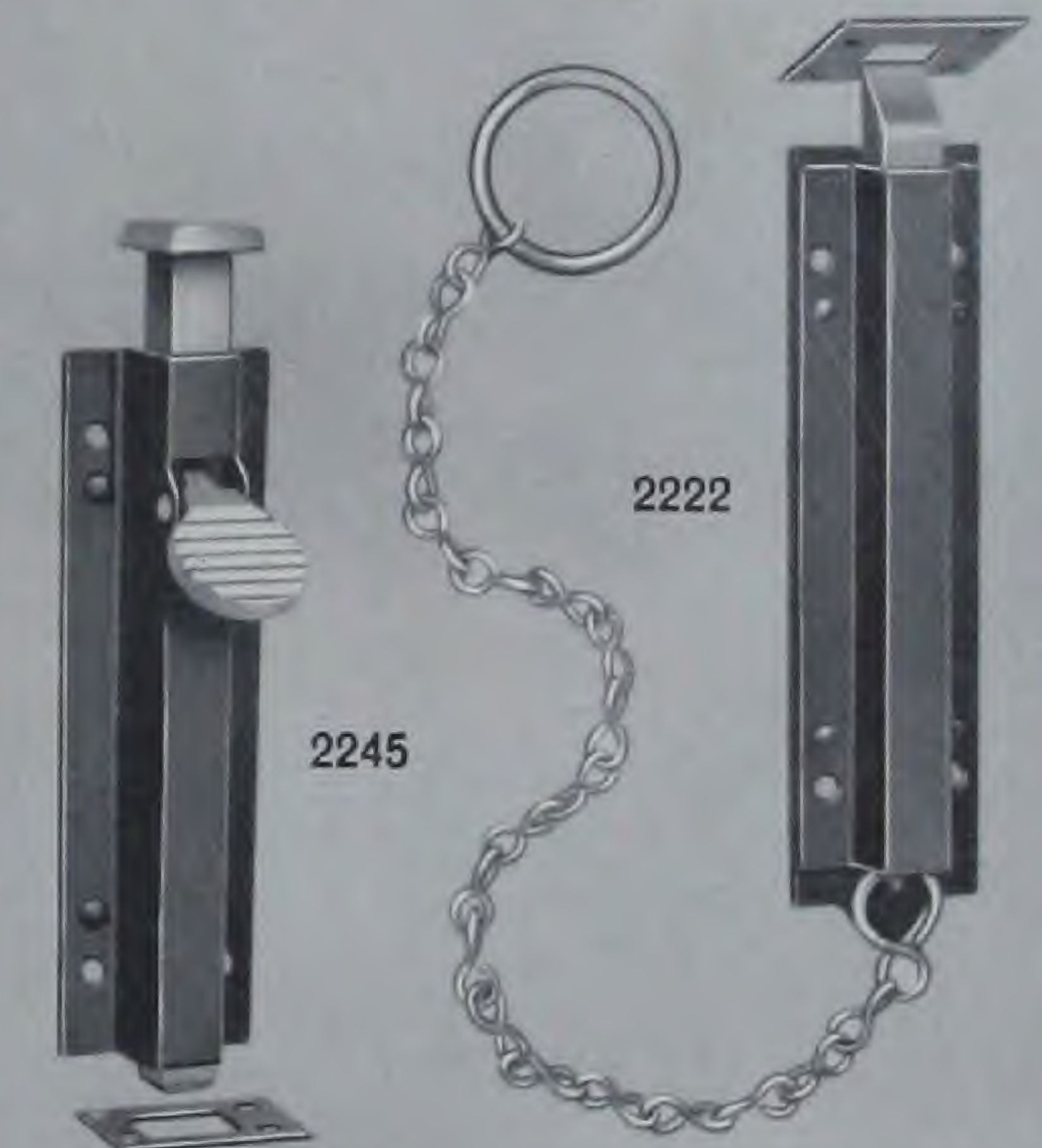
3993 & 8552



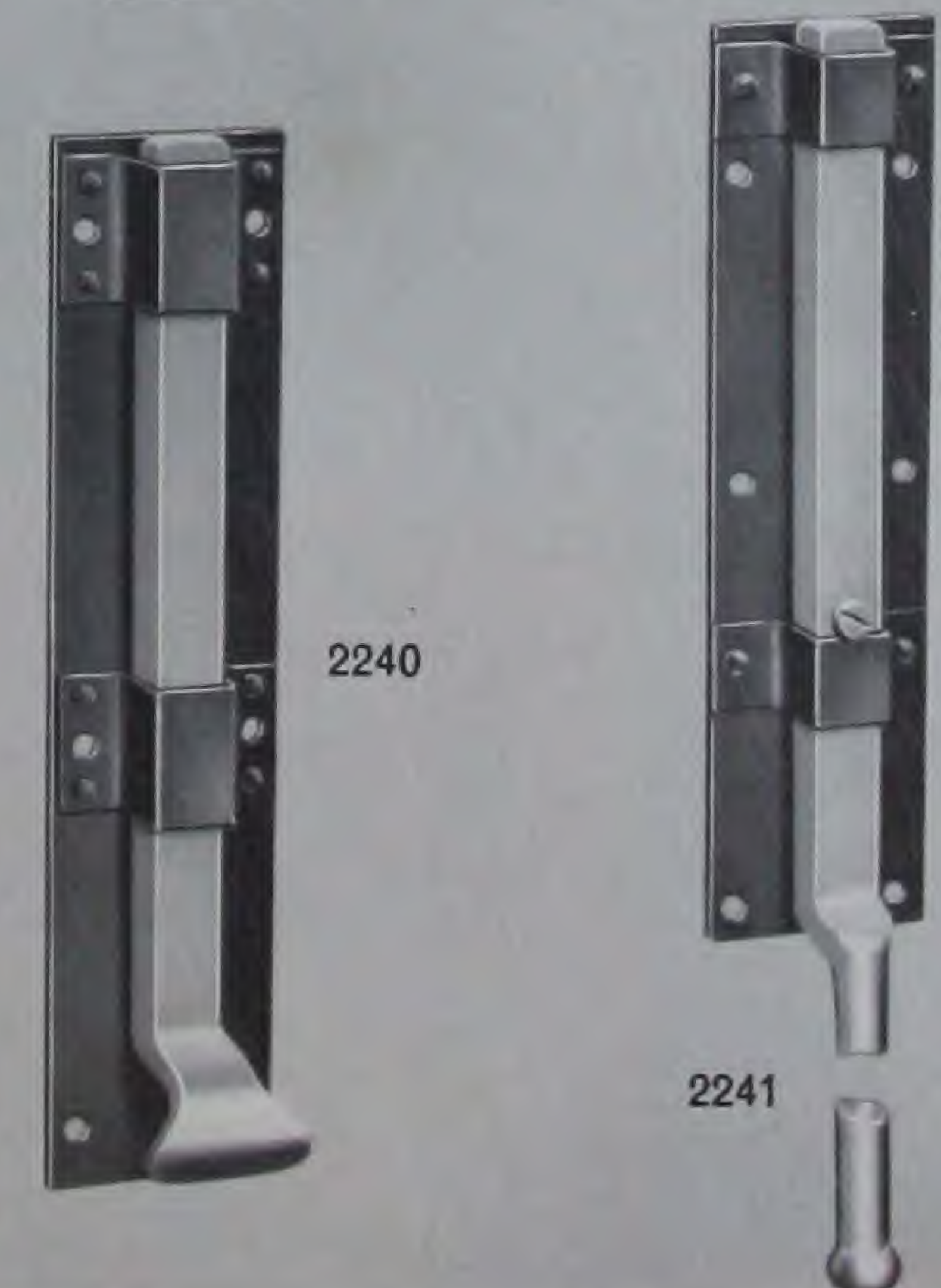
8561



3991



2222



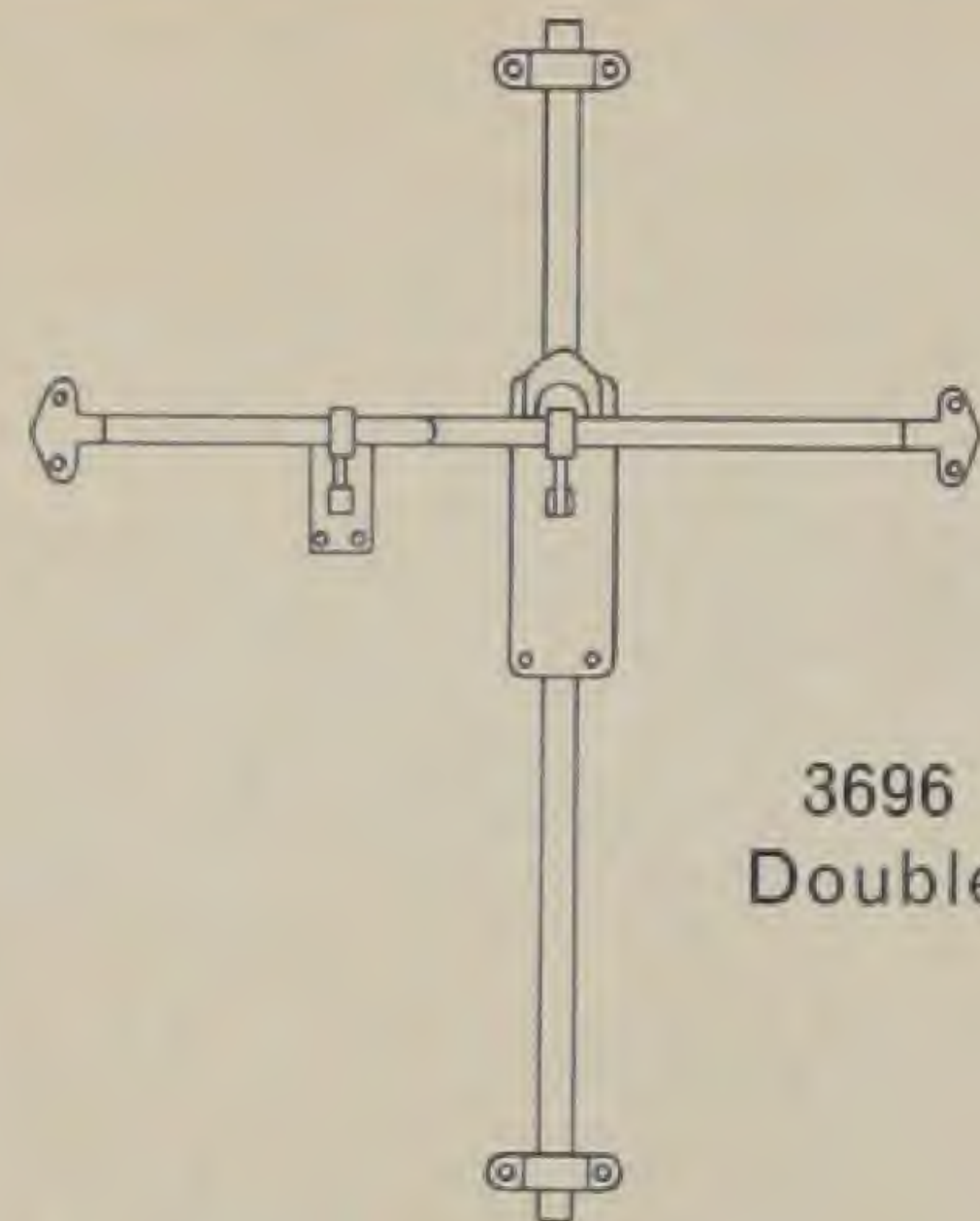
2240



2241

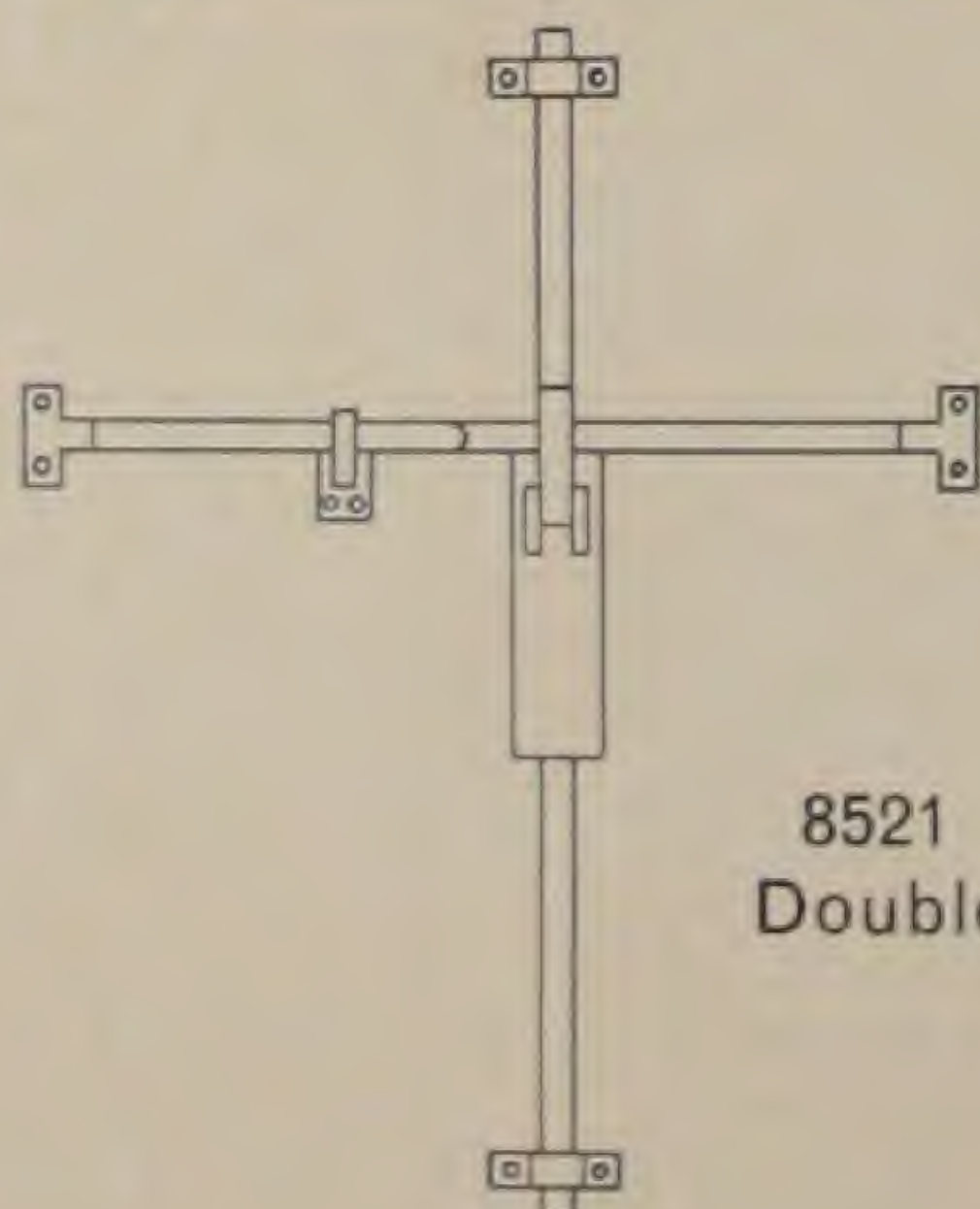
PANIC BOLTS

3692
Single



3696
Double

8520
Single



8521
Double

3692 For Single Doors of either hand. Two are required for Double Doors with Square Edge or Double Swing Doors. Vertical Shoots $\frac{1}{8}$ " tube. Cross Rail $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish	84/-	each
Bronze—	B.M.A. Finish	211/-	"
	Satin C.P.	244/-	"

3696 For Double Rebated Doors, either leaf opening first. Vertical Shoots $\frac{1}{8}$ " tube. Cross Rails $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish	108/-	each
Bronze—	B.M.A. Finish	277/-	"
	Satin C.P.	329/-	"

8520 For Single Doors of either hand. Two are required for Double Doors with Square Edge or Double Swing Doors. Vertical Shoots $\frac{5}{8}$ " \times $\frac{3}{8}$ " solid bar. Cross Rail $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish	92/-	each
Bronze—	B.M.A. Finish	227/-	"
	Satin C.P.	260/-	"

8521 For Double Rebated Doors, either leaf opening first. Vertical Shoots $\frac{5}{8}$ " \times $\frac{3}{8}$ " solid bar. Cross Rails $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish	118/-	each
Bronze—	B.M.A. Finish	301/-	"
	Satin C.P.	351/-	"

All prices include Wood Screws for fixing

IRON PANIC BOLTS—When ordering, please note:—All Single Door Patterns on pages 90 and 91 are supplied suitable for door openings up to 8 ft. high by 4 ft. wide. If for Double Rebated Doors, they are supplied suitable for door openings up to 8 ft. high by 6 ft. wide. Rods can be cut on site to measurements required. Fittings are included for differing types of door-head and floor.

All Panic Bolts on these pages have Cross Rails 3 ft. high from floor unless otherwise ordered.

PANIC BOLTS

8522 Designed to work in conjunction with a Door Closer to make the closing of the door fully automatic. When the door is opened, the shoots are held in the "open" position by a spring catch and are automatically released, when the door closes, into a gravity catch at the head.

For Single Doors of either hand, opening outwards only. Two are required for Double Doors with square edge. Vertical shoots $\frac{1}{8}$ " tube. Cross Rail $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish		82/-	each
Bronze—	B.M.A. Finish	.. .. .	199/-	"
	Satin C.P.	.. .. .	227/-	"

8523 For Double Rebated Doors, either leaf opening first. Works on same principle as pattern 8522, but requires in addition a Door Selector as shown on page 105. Vertical shoots $\frac{1}{8}$ " tube. Cross Rails $\frac{1}{8}$ " tube.

Iron—	Brown Bronzed or Silver Finish		109/-	each
Bronze—	B.M.A. Finish	.. .. .	282/-	"
	Satin C.P.	.. .. .	297/-	"

Prices include Wood Screws for fixing.

PANIC BOLTS FOR METAL DOORS

8524 For Single Doors.

8525 For Double Rebated Doors.

Specially designed to suit Metal Doors without the need for adaptor plates. Fittings are available to suit doors glazed outside or inside. Further information on request.

BRONZE PANIC BOLTS—When ordering, please state:—

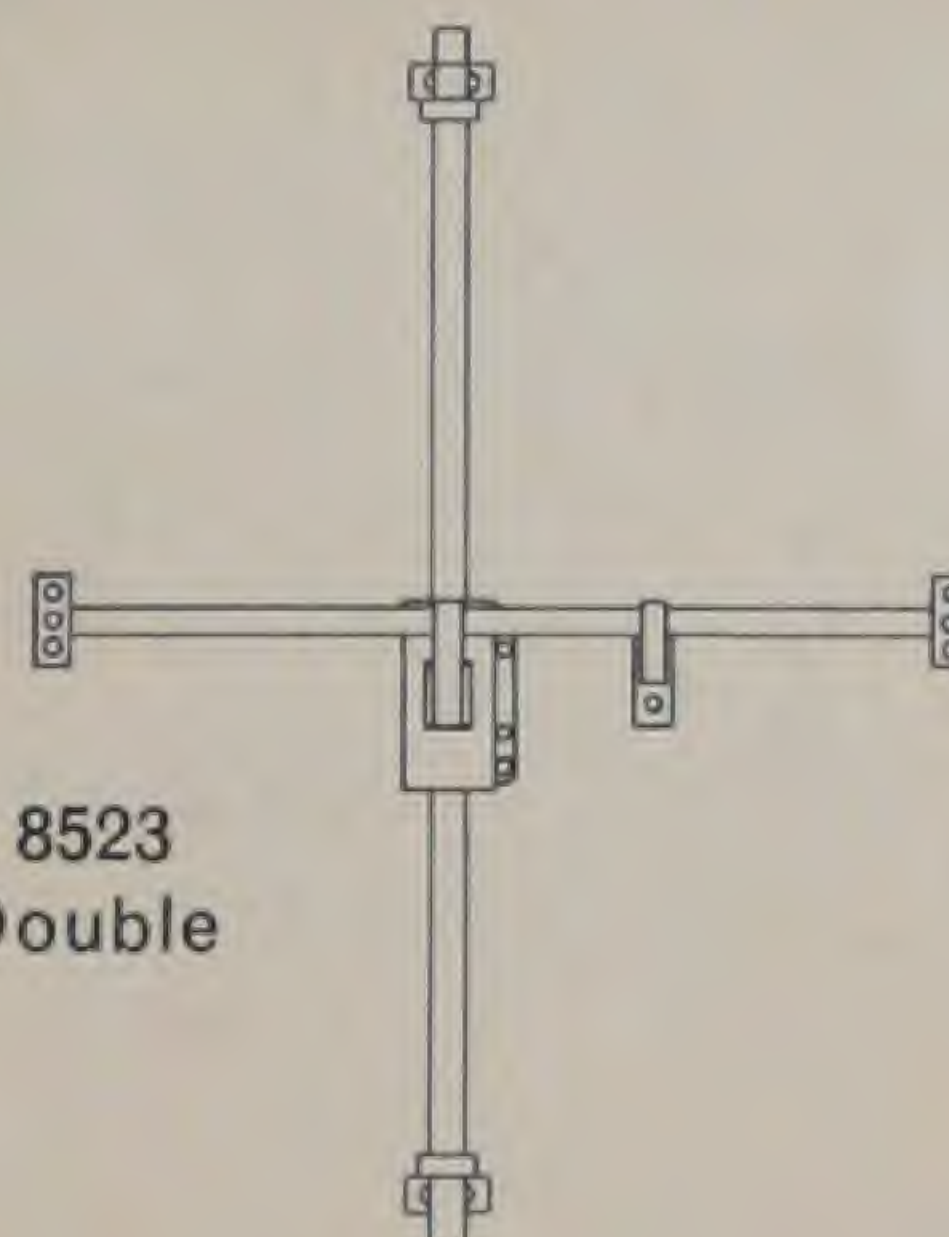
1. Height and width of opening (inside measurements).
2. If floor is wood or concrete, and if head projects or is flush.

Panic Bolts can be adapted to permit access from outside by authorised persons. For details, see page 92.

8522
Single



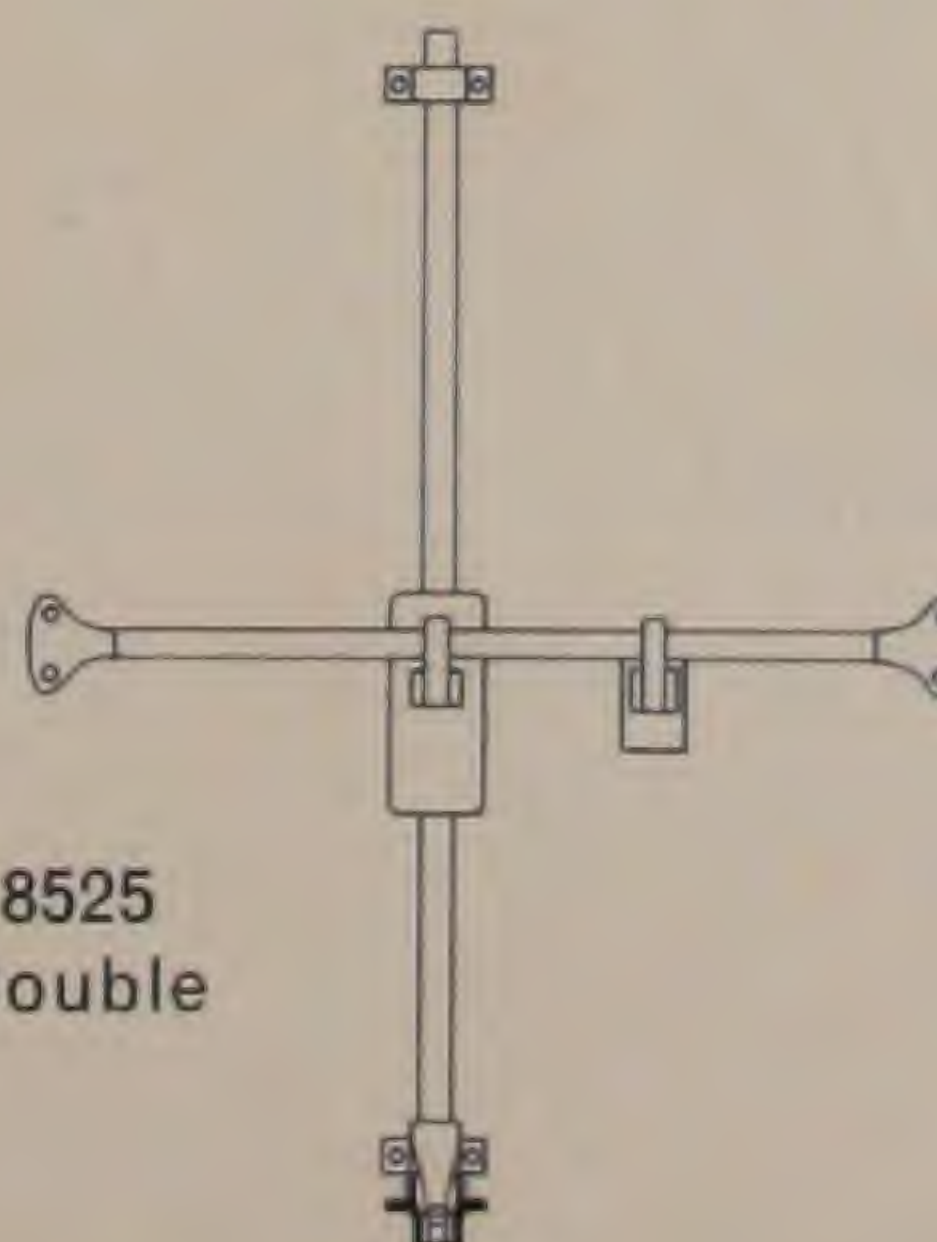
8523
Double

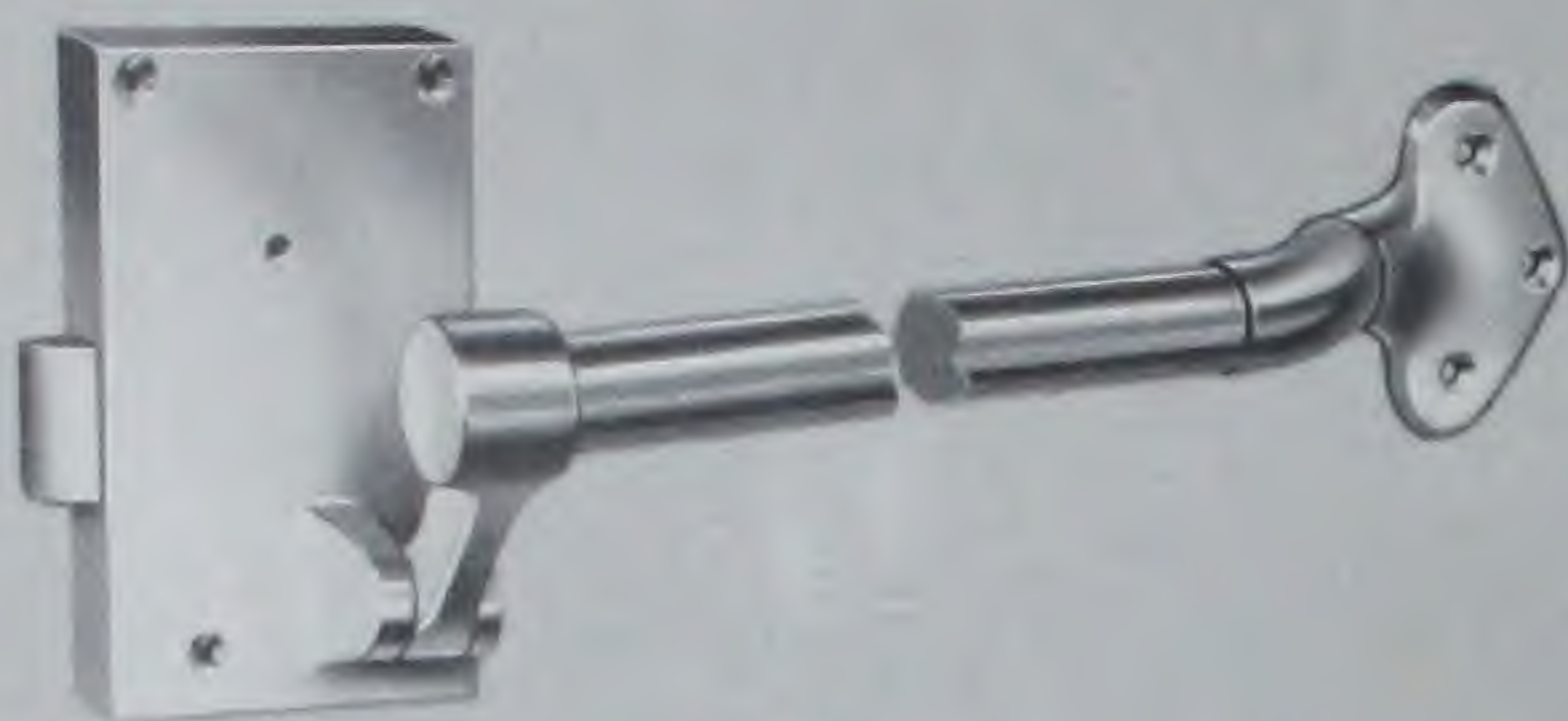


8524
Single



8525
Double

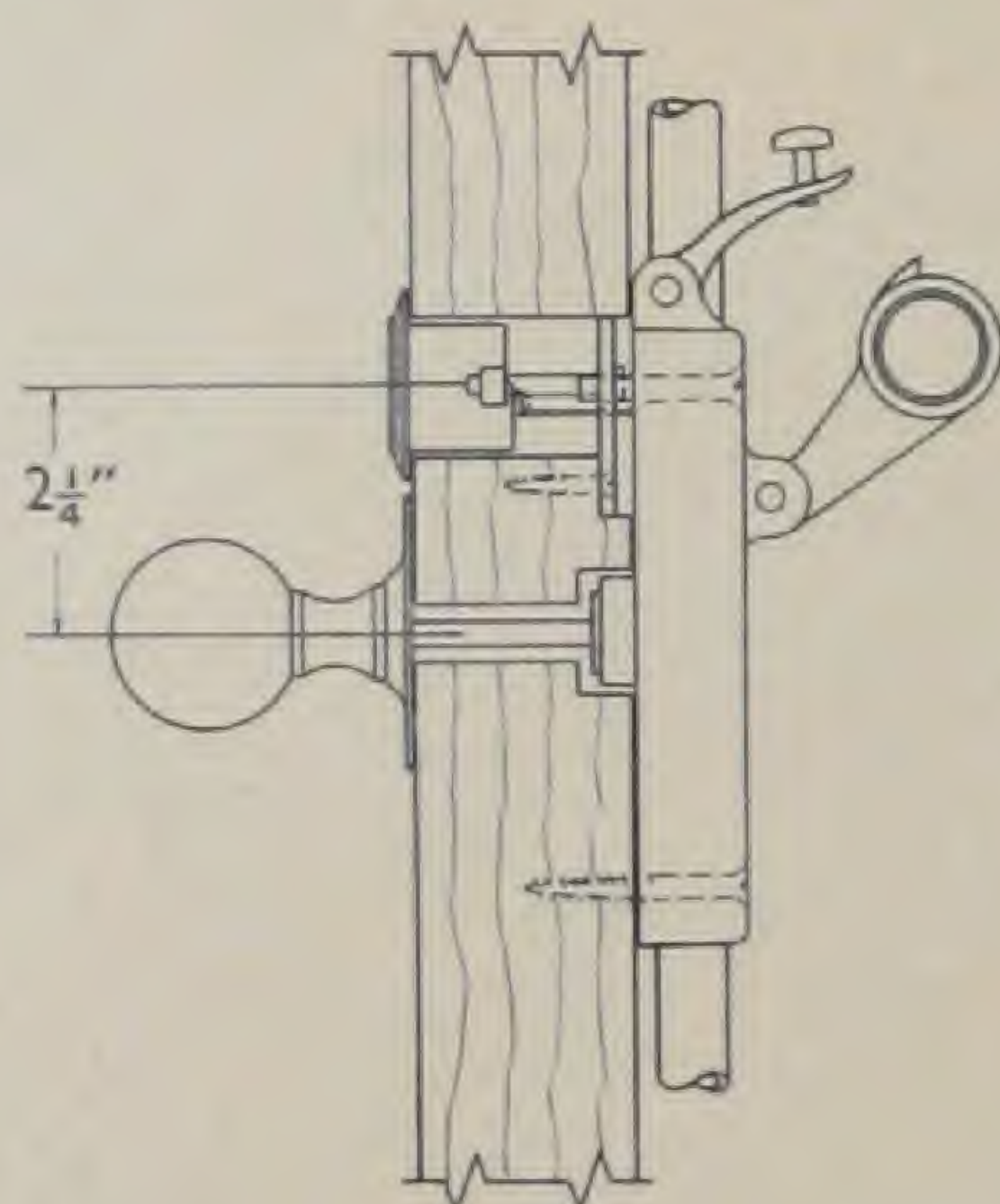




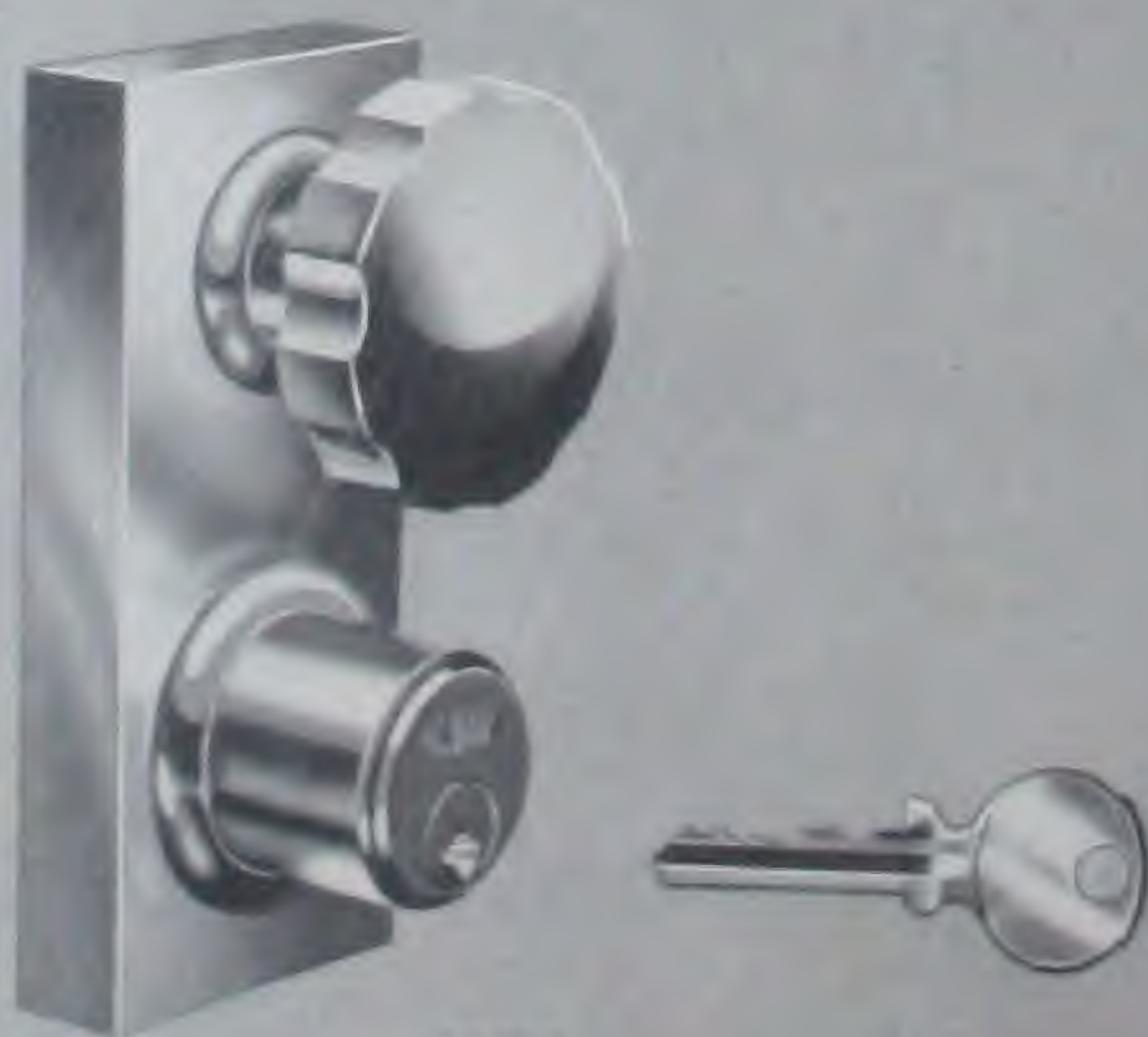
3694



8526



3692/50



3697

PANIC LATCHES AND LOCKS

PANIC LATCHES

Designed to provide easy exit at all times and to facilitate closing of the door from outside. For use on Single Doors or on first opening leaf of Double Rebated Doors with a Panic Bolt on the other.

3694	Iron—Brown Bronzed or Silver Finish	..	56/6	each
	Bronze B.M.A. Finish	.. .. .	118/-	„
	Satin C.P.	.. .. .	160/-	„

Access from outside:—

1. Latch box is fitted with follower suitable for either a half set of 2338 Knob Furniture (Page 67) or a 1109 Latch Cylinder with two Keys.
2. With 3697 Panic Lock (see below).

8526	Iron—Brown Bronzed or Silver Finish	..	111/-	each
	Bronze B.M.A. Finish	.. .. .	161/-	„
	Satin C.P.	.. .. .	182/-	„

Complete with Knob Furniture for outside entry. Latch box incorporates lever lock with two keys.

When ordering Panic Latches, please state:—

1. Hand required (Right hand illustrated).
2. Width of Door for Bronze only (Iron Panic Latches supplied 4ft. for cutting to size).

PANIC BOLTS ADAPTED FOR OUTSIDE ENTRY

Diagram shows arrangement of 3692/50 Panic Bolt with Cylinder and Knob.

Patterns 3692, 3696, 8520 and 8521 (Page 90) can be supplied in a modified form, at a small extra cost, for use with a 1109 Latch Cylinder and a half set of 2338 Knob Furniture (Page 67).

When ordering please specify following numbers:—

3692/50, 3696/50, 8520/50, 8521/50.

* * *

- 3697 Panic lock for use with any Panic Bolt or Panic Latch on pages 90 to 92 (except 8526). Knob opens door from outside, but can be put out of action by a turn of the key. With two Keys.

Real B.M.A.	.. .. .	113/-	each
Satin C.P.	.. .. .	121/-	„

All above prices include Wood Screws for fixing.

SECURITY DOOR BOLTS & DOOR STOPS

8002 "Chubb" Security Mortice Door Bolt. Operated by key from one side only. In locked position, bolt is deadlocked against end pressure. Complete with keyhole escutcheon. $2\frac{3}{8}" \times \frac{5}{8}"$ diam. $\frac{1}{2}"$ Shoot.

Bronze finish	7/- each
Key for above	extra 1/10 „

3768 Security Mortice Door Bolt. Operated by lever from one side only. $2\frac{3}{8}" \times \frac{5}{8}"$ diameter. $\frac{1}{2}"$ Shoot.

B.M.A. finish on Brass	10/- each
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WS 7 "Chubb" Security Hinge Bolt. For securing the hinge side of wooden doors. Bolt is mortised into the edge of the door, and "dogs" into a locking plate secured to the frame. Two of these Bolts are recommended for each door. Plate size $5\frac{1}{2}" \times 1\frac{1}{4}"$.

Sherardized finish	6/- each
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WS 6 "Chubb Doormaster" Security Door Chain. An improved version of the traditional type.

B.M.A. Finish	11/6 each
Polished C.P.	12/6 „

3550 Door Chain. Plate $6" \times 1\frac{1}{2}"$.

B.M.A. Finish	12/- each
Satin C.P.	15/6 „

8504 Door Stop. $2" \times 1\frac{3}{4}"$ Oval. Vertical projection $\frac{1}{16}"$. Silver Anodised with Rubber Buffer 5/- each

2821 Door Stop. $1\frac{1}{2}"$ diameter Rubber Buffer. Vertical projection 1"

	Real B.M.A.	Satin C.P.
For Wood	5/6	7/- each
For Concrete (as illustrated)	7/-	8/6 „

2848 Door Stop. With Rubber Buffer. Projection $2\frac{1}{2}"$.

Real B.M.A.	11/6 each
Satin C.P.	14/6 „

2873 Door Silencer. With Rubber Buffer. Adjustable.

B.M.A. finish on Brass	5/- each
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All above prices include Wood Screws for fixing.



8002



3768



WS 7



WS 6



3550



8504



2821



2848



2873

DOOR HOLDERS



3930



3932



8501



3929



2901



3985



2117

3930 Foot-operated. Body $5\frac{1}{4}'' \times 2\frac{1}{4}''$.

B.M.A. Finish on Diecast Alloy	..	..	12/-	each
Satin C.P. Finish on Diecast Alloy	..	..	13/-	„

3932 Foot-operated. Body $5'' \times 1\frac{3}{4}''$.

Real B.M.A.	..	..	..	22/6	each
Satin C.P.	..	..	..	26/-	„

8501 Foot-operated. Body $3\frac{1}{2}'' \times 2\frac{1}{4}''$.

Bronze Finish on Diecast Alloy	..	..	10/6	each
Satin Nickel Plated on Diecast Alloy	..	..	12/6	„

3929 Foot-operated. Body $4'' \times 1\frac{1}{2}''$.

Japanned Steel, with Nickel Plated Trigger and Trip	5/-	each
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2901 With adjustable Spring-loaded Stop. Complete with loose Iron Box. Plate $3\frac{1}{4}'' \times 3\frac{1}{4}''$. (Door thickness should not be less than $1\frac{5}{8}''$.)

Real B.M.A.	50/-	each
Satin C.P.	56/-	„

3985 Gravity Action. Plates $3'' \times \frac{3}{4}''$ and $2\frac{1}{8}'' \times \frac{3}{4}''$.

Real B.M.A.	21/-	each
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2117 Cabin Hook.

			6"	8"	10"	
Real B.M.A.	12/-	15/-	18/6	each
Satin C.P.	14/6	18/-	22/6	"

All above prices include Wood Screws for fixing.

DOOR HOLDERS

FLOOR PATTERN

2824 With Spring-loaded Stop and Rubber-padded Buffer. Plate $6\frac{1}{4}" \times 1\frac{3}{4}"$. Complete with Iron Box.

Real B.M.A.	..	..	..	..	35/-	each
Satin C.P.	..	..	..	..	37/-	"

8506 With Weighted Stop and Buffer. Plate $8\frac{1}{2}" \times 1\frac{5}{8}"$.

B.M.A. Finish on Brass	..	..	..	18/6	each
Satin Nickel Bronze or Real B.M.A	..	..	..	24/-	"

8507 With Spring-loaded Stop and Rubber Buffer. Plate $7" \times 1\frac{3}{4}"$.

Real B.M.A.	22/6	each
-------------	----	----	----	----	------	------

2820 With Spring-loaded Stop. Plate $6" \times 1\frac{1}{2}"$.

Sanded Brass	12/6	each
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All the above are complete with Wood Screws and Striking Plates.

FOR GARAGE DOORS

8509 CORD-OPERATED. All Steel. For Light and Medium Doors. Overall size $21\frac{1}{2}"$.

Holder snaps into rigid position when door is fully opened. To close door, pull cord to release catch.

Complete with Screws for fixing.

Japanned..	..	..	..	..	17/-	pair
Sherardized	..	..	..	..	20/6	"

8508 "PULL-PULL". All Steel folding stay Door Holder, with automatic release. All joints spring-loaded. For Heavy Doors. Overall size 24".

Pivot bracket "A" is fixed to door lintel, and bracket "B" to door. When door is opened, the two arms of the stay become locked together and hold door rigidly in position. To close, a steady pull on the door compresses spring "C", bringing the release mechanism into action and allowing the door to be closed.

Complete with Screws, Bolts and Nuts for fixing.

Japanned..	..	..	..	..	39/-	pair
Sherardized	..	..	..	..	46/6	"



2824



8506



8507



2820

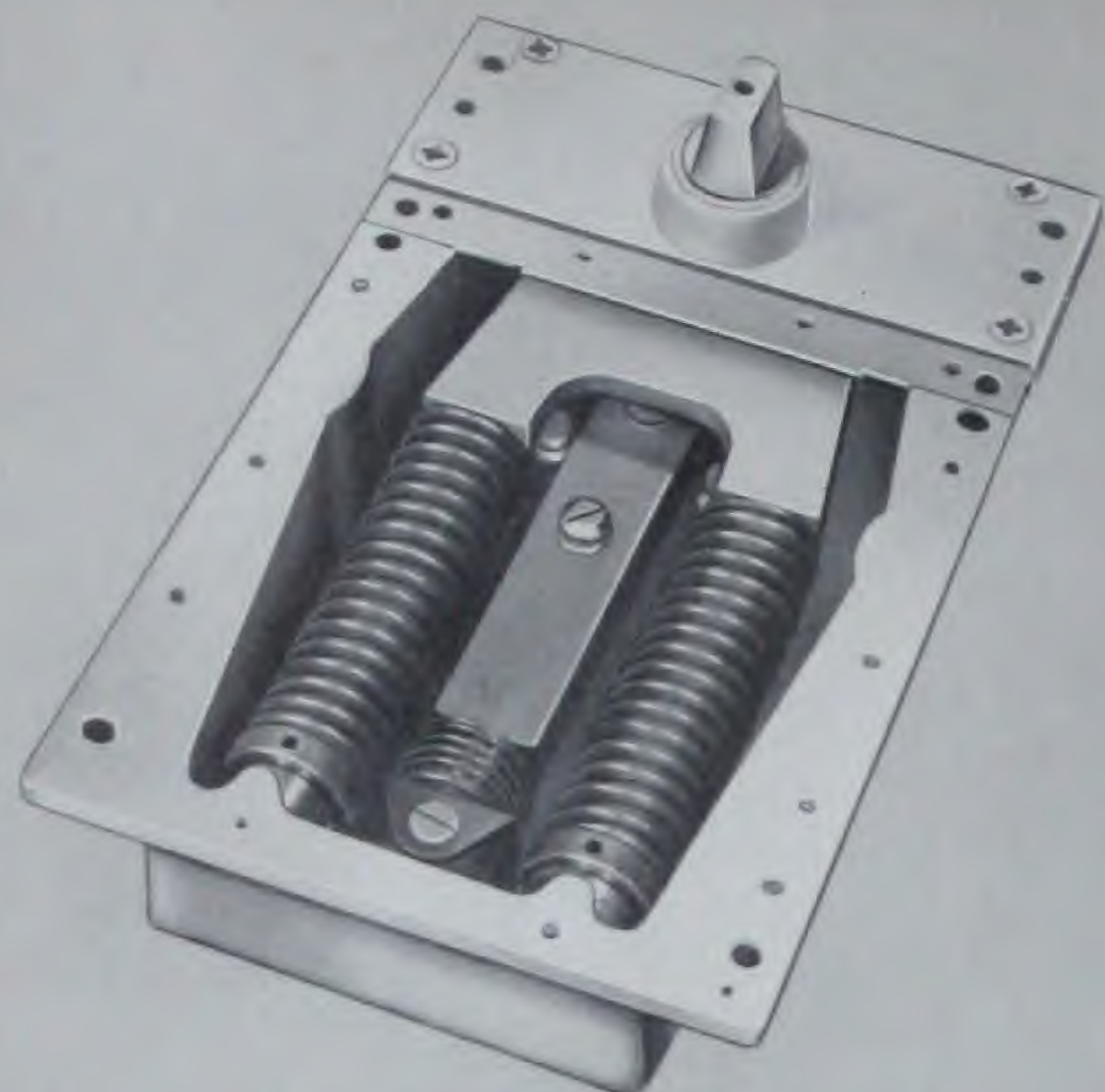


8509

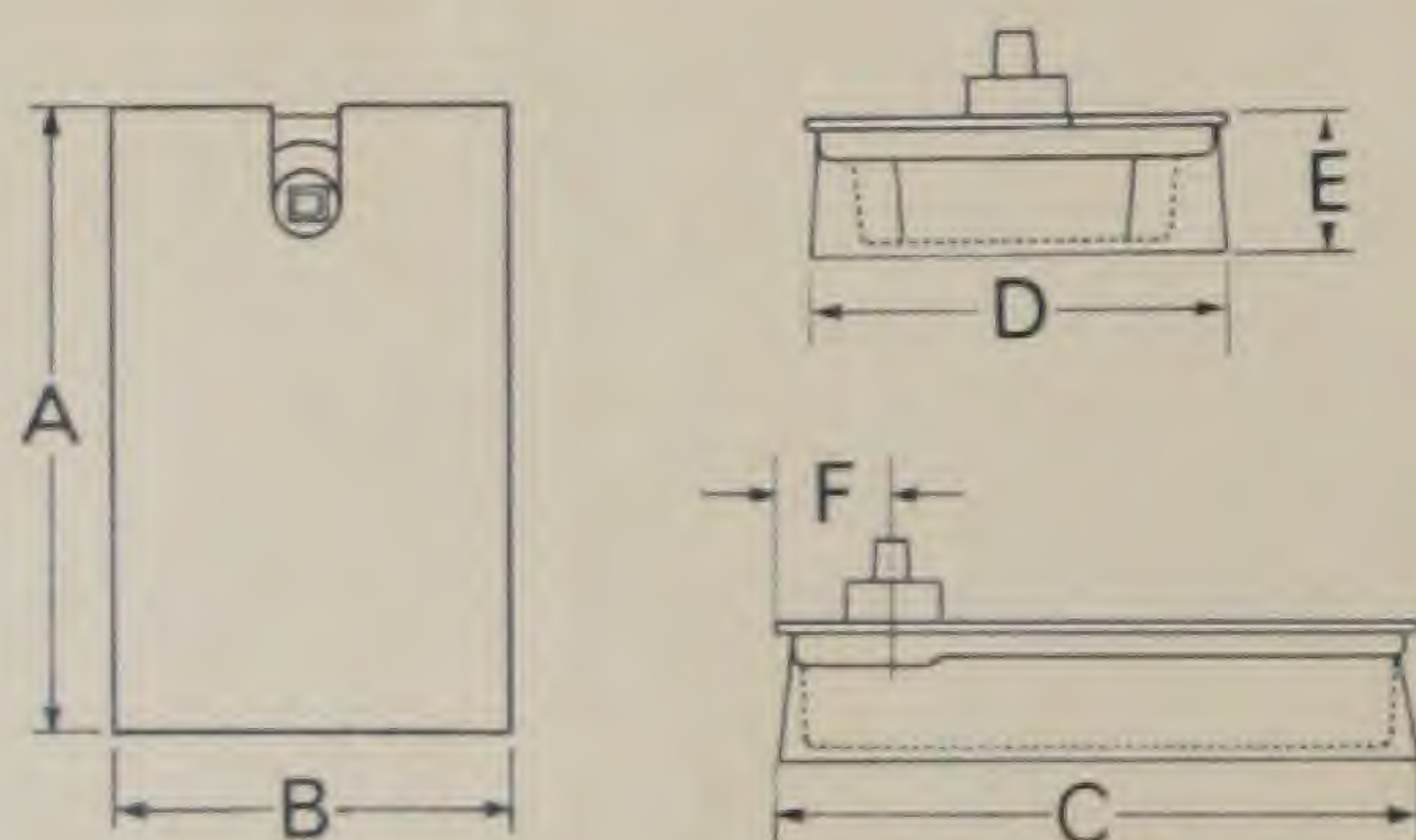


8508





"400" & "401"



"512"

FLOOR SPRINGS

NEWMAN'S "400"

Double Action. Hydraulic Check.
For Medium Doors, up to 150 lbs.

Type 'A'. To swing through 135° each way,
with spring return from 110°.

Type 'B'. To hold door open at 90°.

	B.M.A.	Satin C.P.
Floor Spring only (Type 'A' or 'B') complete with finished Top Plate	184/-	187/- each
Ordinary Shoe*	50/-	56/- "
Ordinary Top Centre	14/6	15/6 "
Adjustable Shoe*	86/-	92/- "
Adjustable Top Centre	31/-	32/- "
Adjustable Iron Strap Shoe	20/6	.. each
Loose Box for concrete	25/-	.. "

For details of above components, see page 98.

*Please state thickness of door.

NEWMAN'S "401"

Similar in design to pattern "400", but for very Heavy Doors,
up to 400 lbs. maximum. Prices on application.

	Top Plate		Loose Box			
	A	B	C	D	E	F
"400"	12 $\frac{1}{4}$ "	7"	12"	7 $\frac{7}{8}$ "	2 $\frac{1}{4}$ "	2 $\frac{3}{16}$ "
"401"	14 $\frac{1}{2}$ "	9 $\frac{1}{4}$ "	14 $\frac{3}{8}$ "	11"	3 $\frac{7}{8}$ "	2 $\frac{9}{16}$ "
"512"	12 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	12 $\frac{3}{4}$ "	7 $\frac{1}{2}$ "	2 $\frac{1}{8}$ "	2 $\frac{1}{4}$ "

SHOWELL'S "512"

Double Action. Hydraulic Check.
For Medium Doors, up to 150 lbs.

Type 'A'. To swing through 100° each way.

Type 'B'. To hold door open at 90°.

	B.M.A.	Satin C.P.
Floor Spring only (Type 'A' or 'B') complete with finished Top Plate	168/-	171/- each
Ordinary Shoe*	31/6	34/6 "
Ordinary Top Centre	30/-	31/- "
Adjustable Shoe*	48/-	51/- "
Adjustable Top Centre	33/6	35/- "
Ordinary Iron Strap Shoe	8/-	.. each
Adjustable Iron Strap Shoe	19/6	.. "
Loose Box for concrete	19/6	.. "

For details of above components, see page 98.

*Please state thickness of door.

All above prices include Wood Screws for fixing.

FLOOR SPRINGS

NEWMAN'S "444"
Double Action. Hydraulic Check.
For Heavy Doors, up to 250 lbs.

Type 'A'. To swing through 90° each way.
Type 'B'. To hold door open at 90°.

This pattern incorporates an improved type of check with a gentle, progressive action. Ideal for External Doors, as the power of the 4-leaf spring is greatest when the door is closed.

	B.M.A.	Satin C.P.
Floor Spring only (Type 'A' or 'B') with finished Top Plate	225/-	230/- each
Ordinary Shoe*	50/-	56/- "
Ordinary Top Centre	14/6	15/6 "
Adjustable Shoe*	86/-	92/- "
Adjustable Top Centre	31/-	32/- "
Adjustable Iron Strap Shoe	20/6	.. each
Loose Box for concrete	31/6	.. "

For details of above components, see page 98.

*Please state thickness of door.

	Top Plate		Loose Box			
	A	B	C	D	E	F
"444"	12 $\frac{1}{4}$ "	9 $\frac{3}{4}$ "	12 $\frac{3}{8}$ "	9 $\frac{7}{16}$ "	2 $\frac{3}{8}$ "	2"
"282"	8 $\frac{1}{4}$ "	6 $\frac{3}{4}$ "	8"	6 $\frac{1}{2}$ "	2 $\frac{7}{16}$ "	1 $\frac{3}{16}$ "
"283"	9"	7 $\frac{1}{4}$ "	9 $\frac{1}{4}$ "	7"	2 $\frac{7}{16}$ "	1 $\frac{3}{8}$ "

NEWMAN'S "282" and "283"
Double Action. Non-check.

"282" For Light Doors, up to 85 lbs.
"283" For Medium Doors, up to 120 lbs.

Type 'A'. To swing through 90° each way.
Type 'B'. To hold door open at 90°

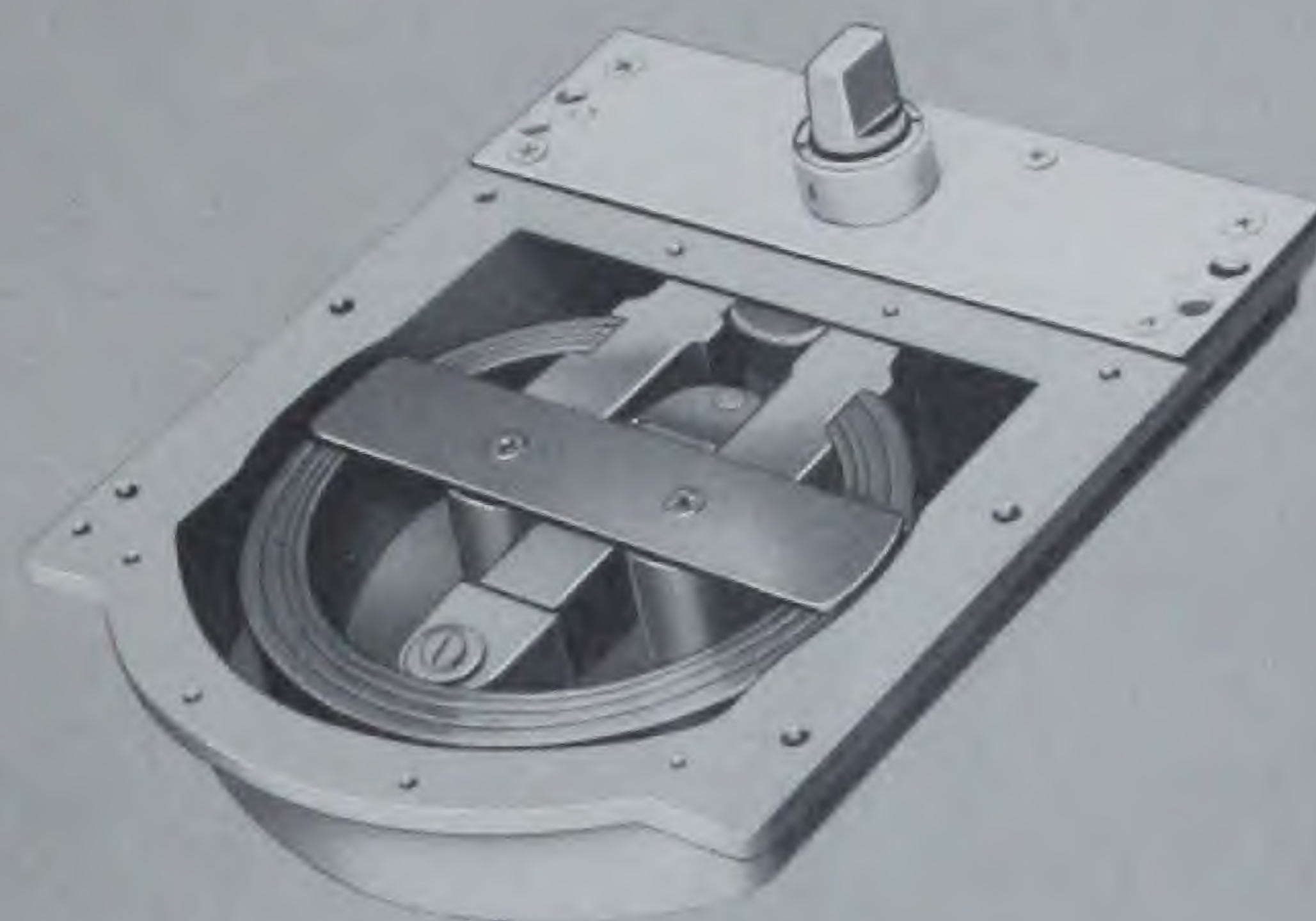
These Springs are not sealed fully watertight, and should not be used where water is likely to be present.

Floor Spring (Type 'A' or 'B')	"282"	"283"
complete with Ordinary Shoe and Top Centre. Polished Brass ..	126/-	168/- each
Loose Box for concrete	20/6	.. "

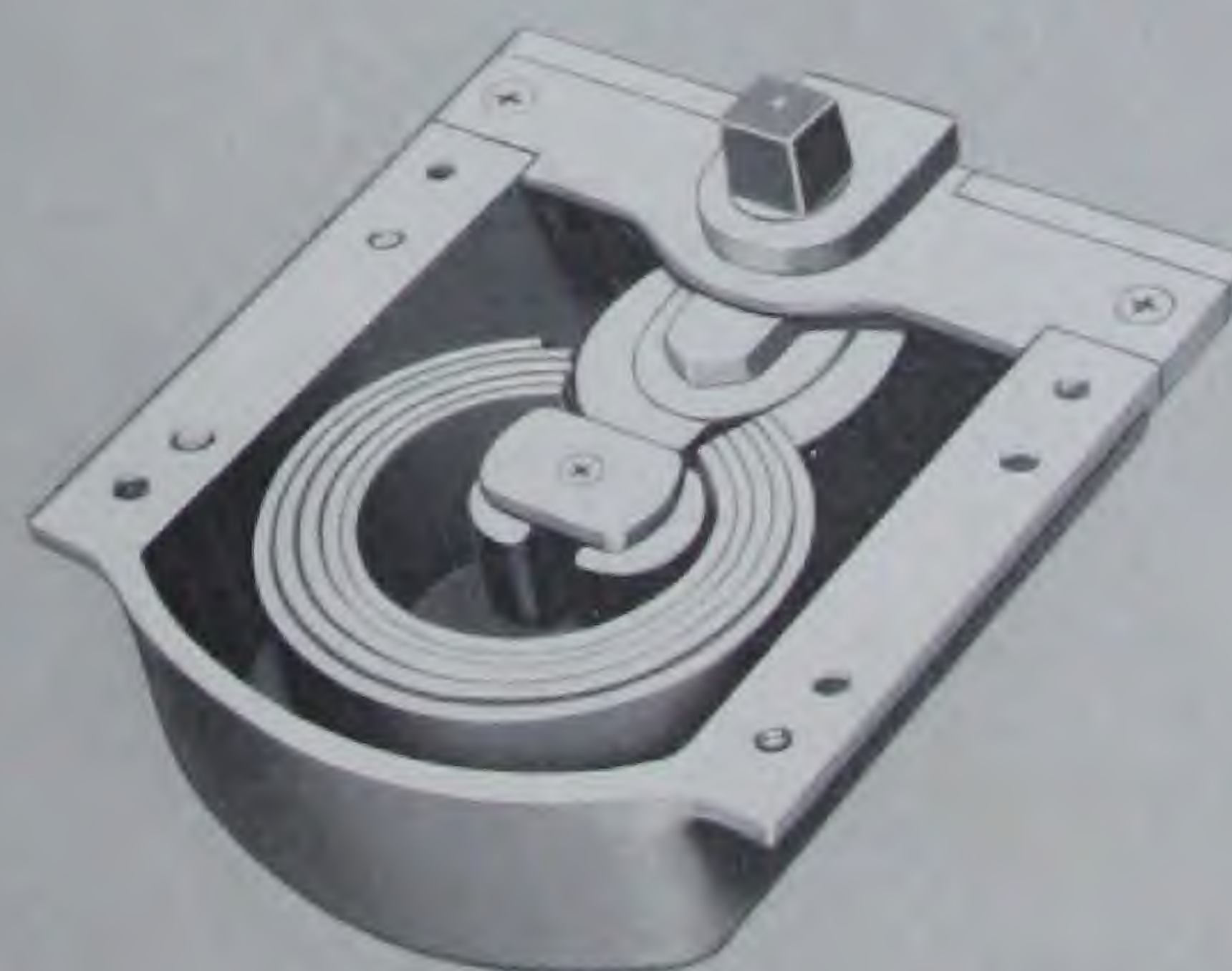
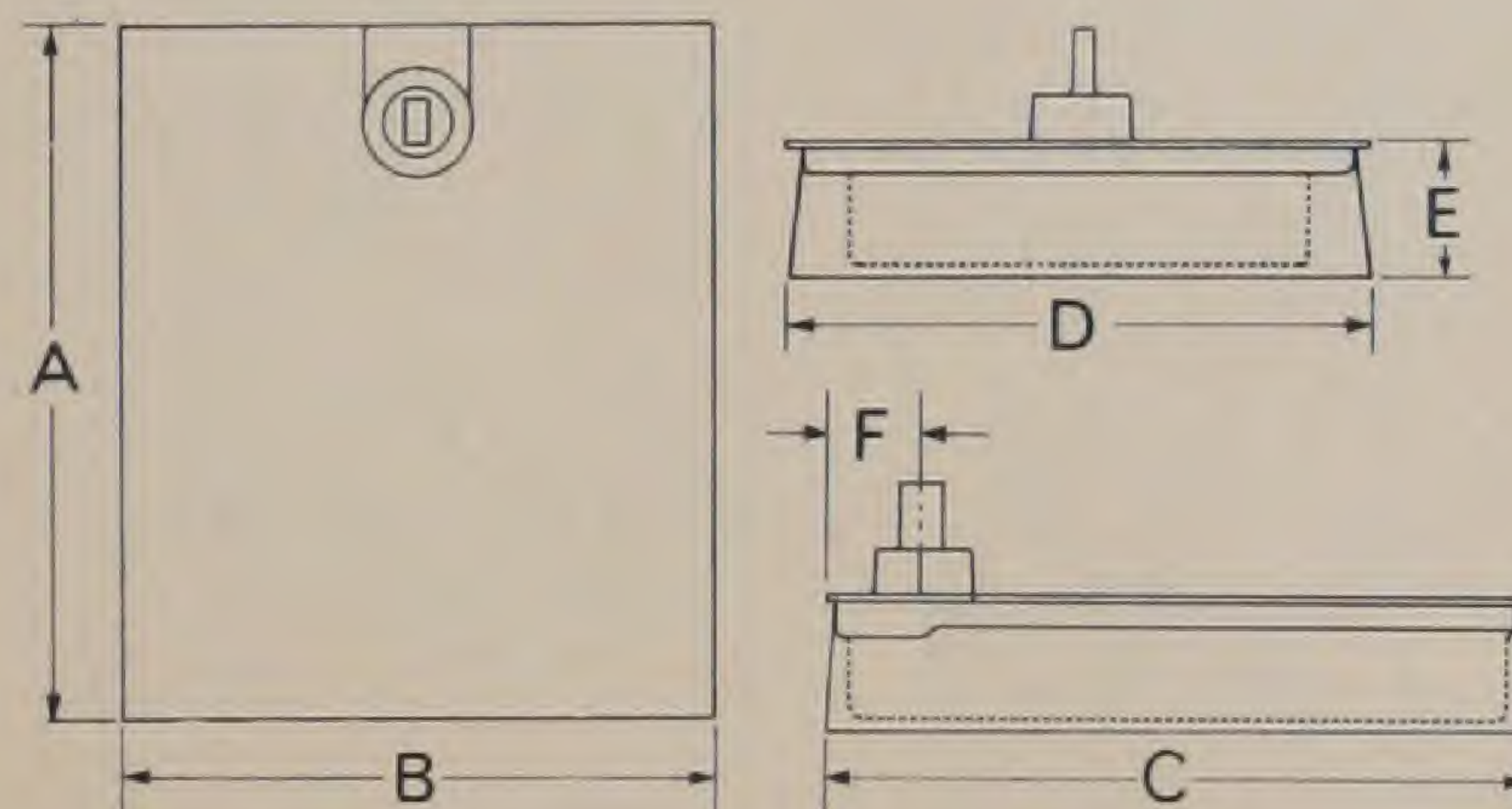
Please state thickness of door.

Patterns 282 and 283 are also available with Adjustable Shoes and Top Centres, and in alternative finishes if required.

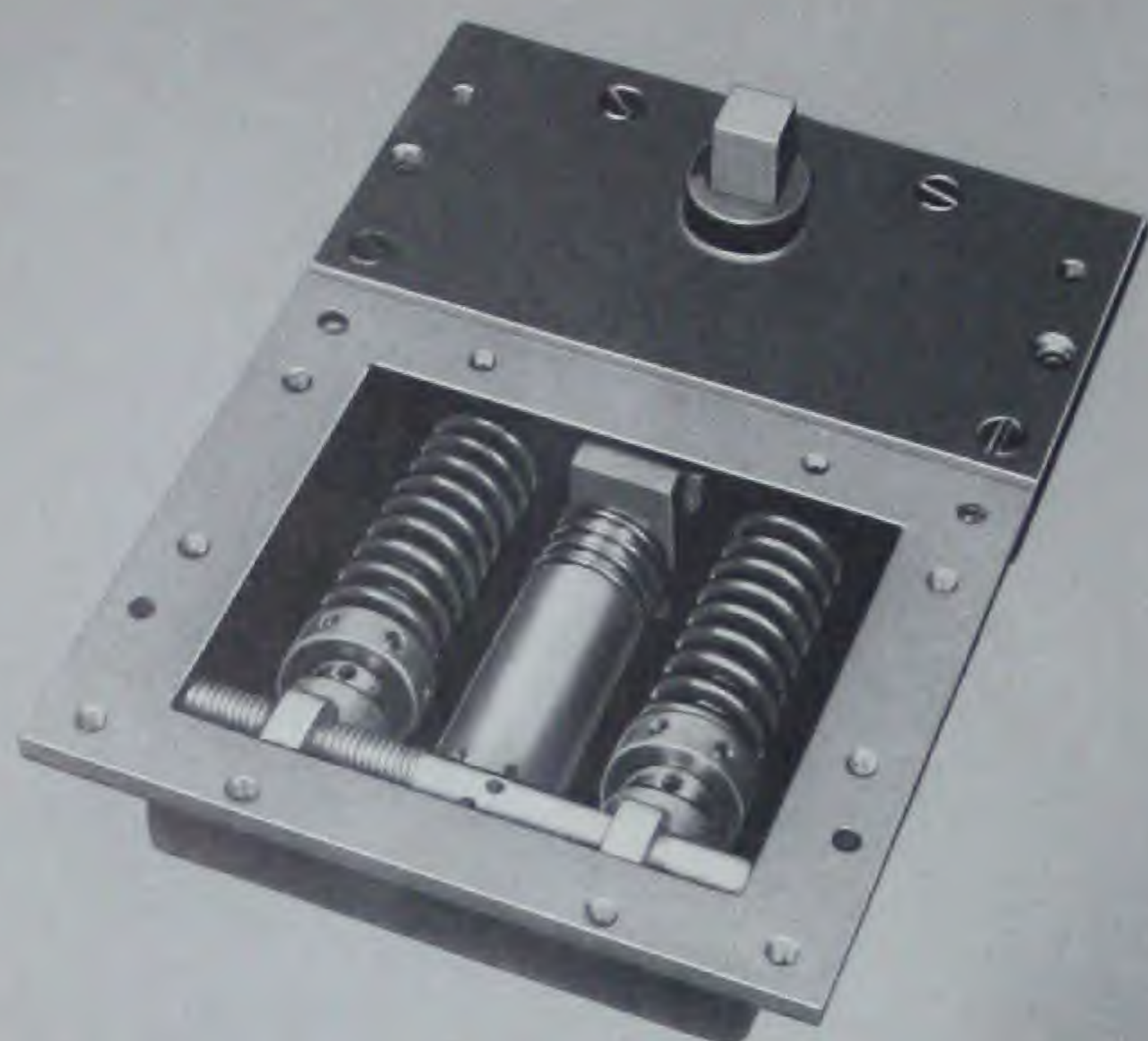
All above prices include Wood Screws for fixing.



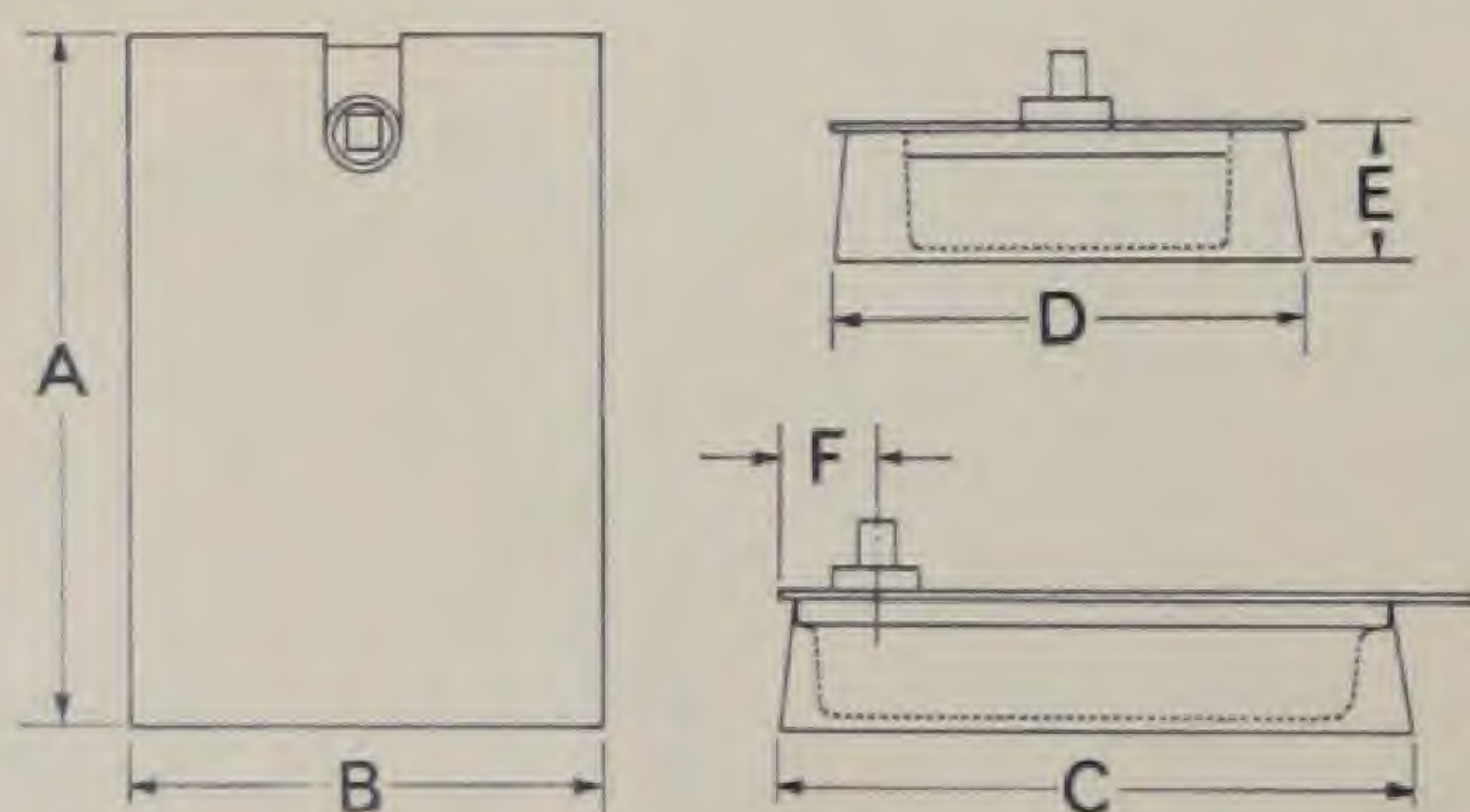
"444"



"282" & "283"



8510



A



B



C



D

FLOOR SPRINGS

8510

Double Action. Hydraulic Check.

For Medium Doors, up to 150 lbs.

Type 'A' To swing through 95° each way.

Type 'B' To hold door open at 90°.

In this pattern, alignment of the door is obtained by an adjustment in the box, so that only Ordinary Shoes are necessary.

	B.M.A.	Satin C.P.
Floor Spring only (Type 'A' or 'B'), complete with finished Top Plate..	166/-	170/- each
Ordinary Shoe*	34/6	38/6 „
Ordinary Top Centre	26/6	30/6 „
Adjustable Top Centre	40/-	43/- „
Ordinary Iron Strap Shoe* ..	26/6	each
Loose Box for concrete	9/-	„

Prices include Wood Screws for fixing.

For details of above components, see below.

*Please state thickness of door.

Other finishes are available as for pattern 8505, page 100.

	Top Plate		Loose Box			
	A	B	C	D	E	F
8510	11½"	8"	9¾"	7¼"	2"	2"

DOUBLE ACTION TOP CENTRES AND SHOES.

Illustrations on left are typical of the Shoes, Top Centres, etc. listed on pages 96 to 98. Individual patterns vary slightly according to size and type of Floor Spring.

'A' Ordinary Top Centre. The pivot pin can be raised or lowered to facilitate fixing.

'B' Adjustable Top Centre. Has an adjustment to counteract "drop" in the door, as well as a retractable pivot pin as in 'A'.

'C' Ordinary and Adjustable Shoes. Made in sizes to fit flush with any size of door. The most popular sizes are 1½", 1¾" and 2", available as "Ordinary" or "Adjustable". The latter are fitted with an Adjustable Bush, to align doors which do not meet.

'D' Ordinary and Adjustable Strap Shoes. For mortising into the bottom of the door. Adjustable Strap Shoes have a regulating bush, which operates in the same way as that in an Adjustable Shoe.

FLOOR SPRINGS

NEWMAN'S "600"

Single Action. Hydraulic Check.

For Medium Doors, up to 100 lbs.

Type 'A'. To open through 90°.

Type 'B'. To hold door open at 90°.

B.M.A. Satin C.P.

Floor Spring with finished Top Plate,
complete with Top Centre and Shoe 228/- 241/- each

Loose Box for concrete 16/6 .. each

Prices include Wood Screws for fixing.

When ordering, please state hand required.

(See diagram at foot of page 100.)

	Top Plate		Loose Box			
	A	B	C	D	E	F
"600"	8 $\frac{1}{4}$ "	9"	9"	8 $\frac{1}{16}$ "	2 $\frac{1}{4}$ "	2"
"524"	12 $\frac{1}{2}$ "	7 $\frac{1}{4}$ "	12 $\frac{3}{4}$ "	7 $\frac{1}{2}$ "	2 $\frac{1}{8}$ "	2 $\frac{1}{4}$ "

SHOWELL'S "524"

Single Action. Hydraulic Check.

For Medium Doors, up to 150 lbs.

Type 'A'. To open through 100°.

Type 'B'. To hold door open at 90°.

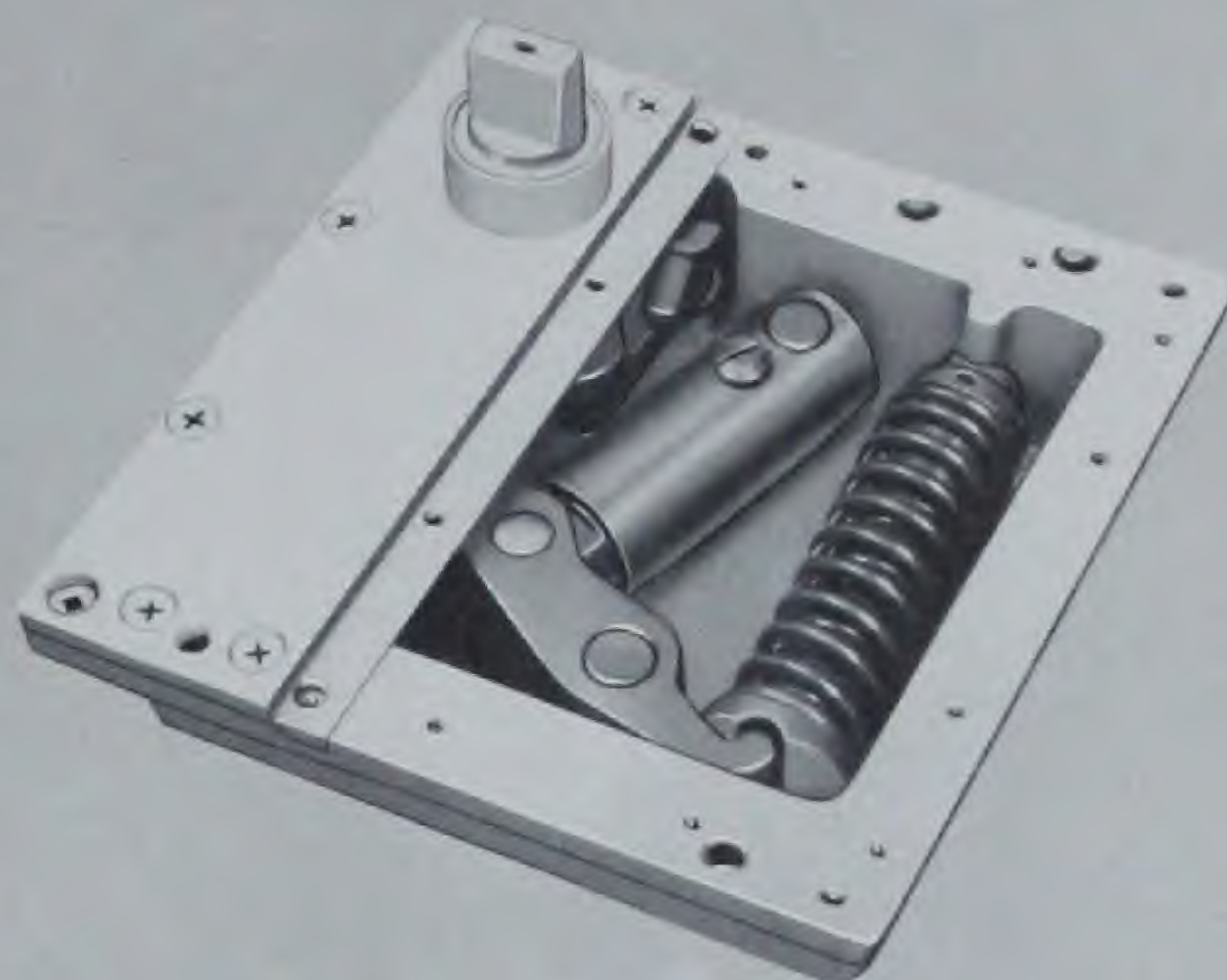
B.M.A. Satin C.P.

Floor Spring with finished Top Plate,
complete with Top Centre and Shoe 209/- 217/- each

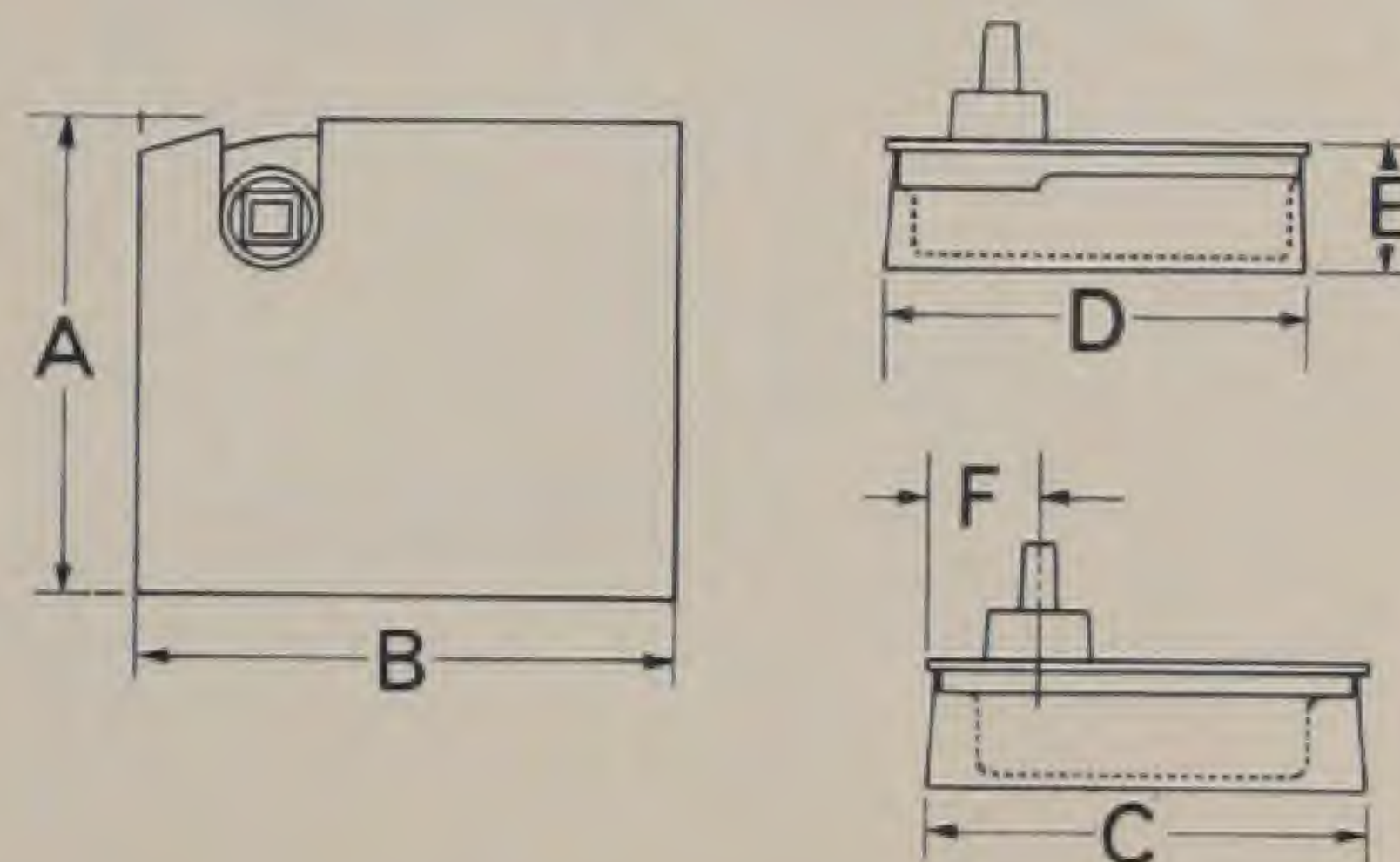
Loose Box for concrete 19/6 .. each

When ordering, please state hand required.

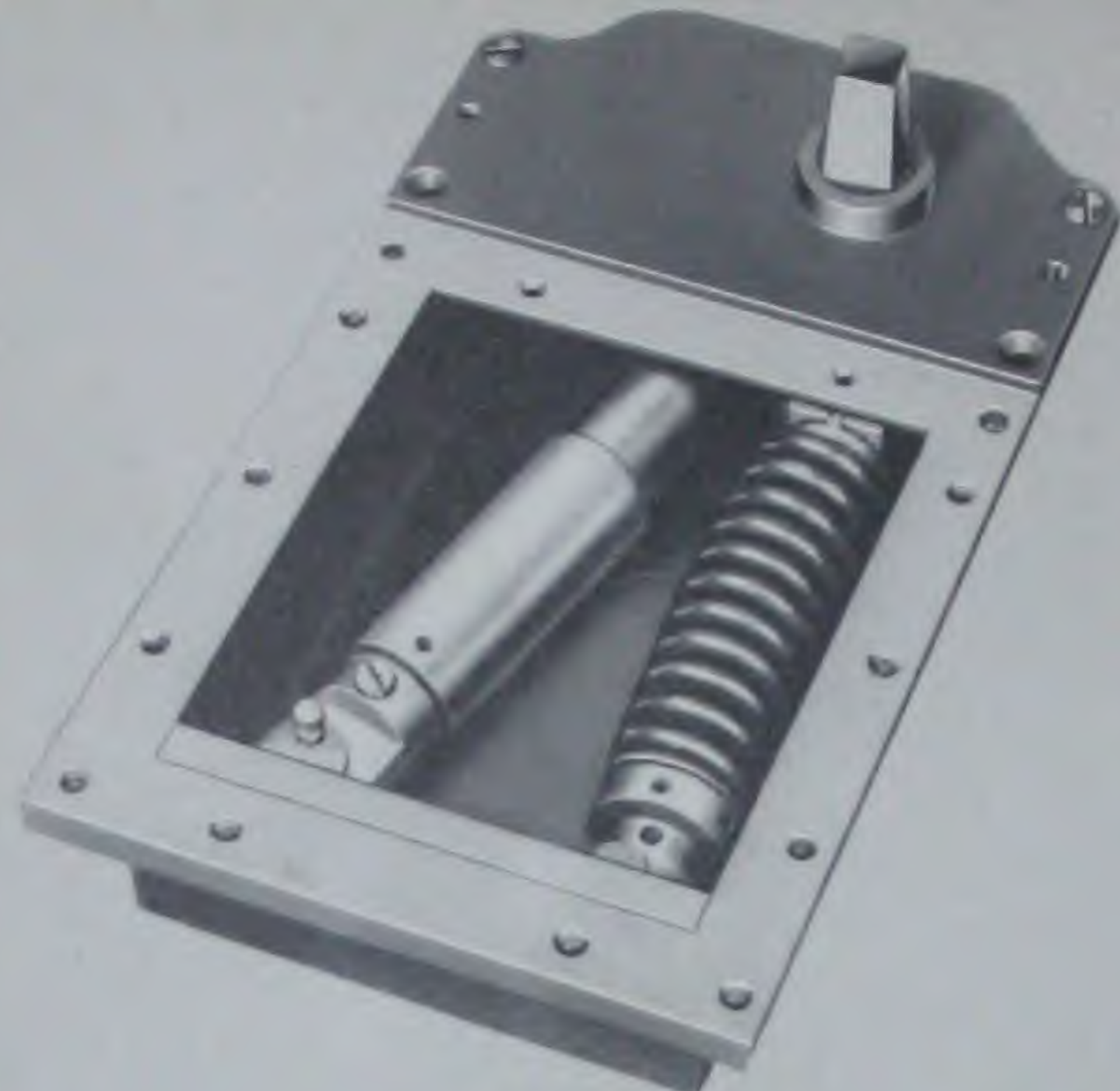
(See diagram at foot of page 100.)



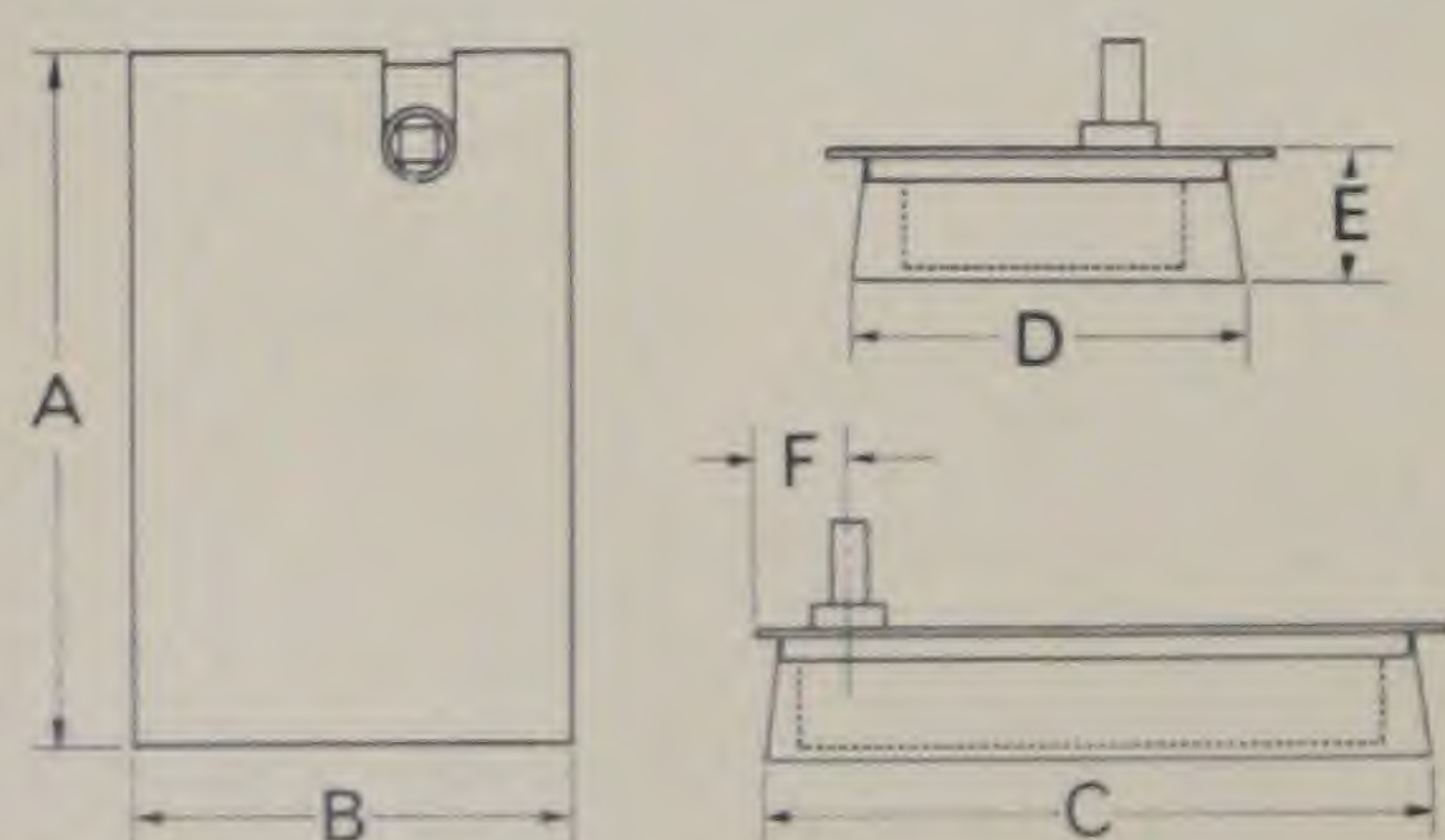
"600"



"524"



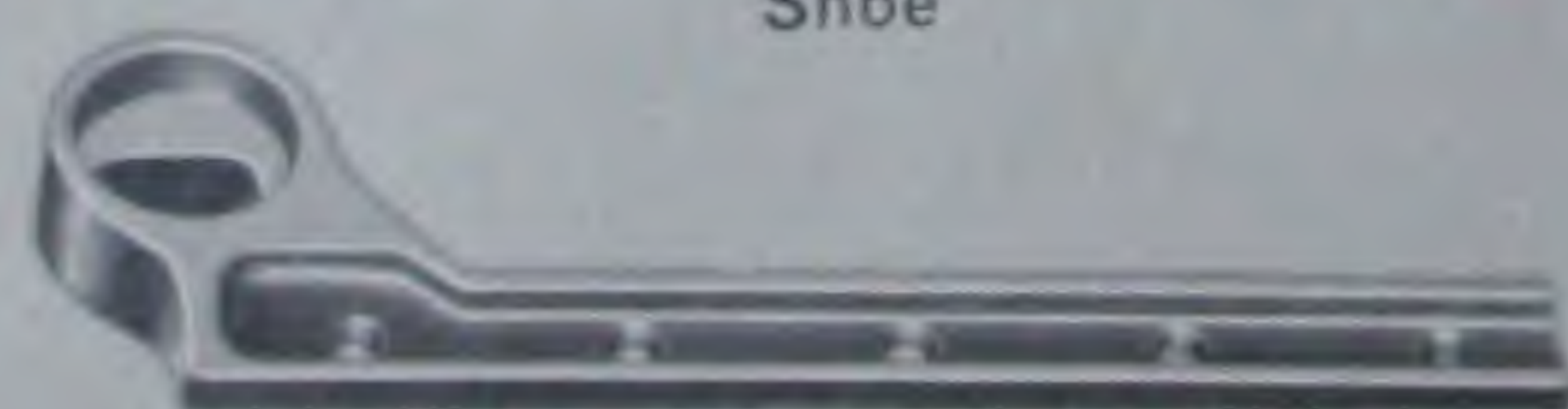
8505



Top Centre



Shoe



Strap Shoe 11"

Hands of Floor Springs



Left hand
Spring required

Right hand
Spring required

FLOOR SPRINGS

8505

Single Action. Hydraulic Check.
For Medium Doors, up to 150 lbs.

Type 'A'. To open through 95°.

Type 'B'. To hold door open at 90°.

B.M.A. Satin C.P.

Floor Spring with finished Top Plate,
complete with Top Centre and Shoe 198/- 206/- each
Loose Box for concrete .. 9/- .. each

Prices include Wood Screws for fixing.

When ordering, please state hand required.

(See diagram at foot of page.)

Also available in the following finishes:—

1. Satin Nickel Bronze Finish Top Plate, Shoe and Top Centre.
2. Silver or Satin Silver Anodised Top Plate, with Satin C.P. or Satin Nickel Plated Shoe and Top Centre.

Prices for these finishes on application.

	Top Plate		Loose Box			
	A	B	C	D	E	F
8505	11½"	7½"	10½"	6½"	2"	2"

NEWMAN'S "445"

Single Action. Hydraulic Check.

This pattern is the Single-action version of Newman's "444" on page 97.

Details and prices on application.

SINGLE ACTION TOP CENTRES AND SHOES.

Illustrations on the left show the Top Centre and Shoe included with Floor Springs on this page and on page 99. The Strap Shoe illustrated is for mortising into the bottom of the door and can be supplied in place of the standard type if preferred—price on application.

N.B.—All Floor Springs on pages 96 to 100 (except patterns 282 and 283 on page 97) are fully sealed and filled with oil ready for use.

DOOR CLOSERS

With Hydraulic Check. For Single Action Doors.

BRITON "500" Series

Designed to retain the aesthetic appearance of the door and surround. The concealed patterns are ideal for a door opening against an adjacent wall or set in a reveal.

Regulators control initial and final closing speeds, as well as reverse check action when door approaches the fully open position.

All patterns have a hold-open device which can be put out of operation if desired.

Models 500, 501 and 502 can be fixed to open to angles from 90° to 180°, and 507 to angles from 90° to 105°.

For Medium Internal Doors, not exceeding 7' x 3' or 112 lbs. in weight. (7' x 2' 9" or 100 lbs. for 507.)

Briton 500. Concealed Fixing. Only the arms are visible. Body 1 3/8" wide—can be mortised into a 1 3/4" door.

With arm Silver or Brown Bronzed Finish .. 186/- each

Briton 501. Same as pattern 500, except that adjustable arm has surface-fixing bracket adaptable to flush or projecting soffits.

With arm Silver or Brown Bronzed Finish .. 186/- each

Briton 507. Fully Concealed. The arm roller runs in a guide channel in the soffit, and the arm recesses into the top of the door when closed.

With arm Silver or Brown Bronzed Finish .. 186/- each

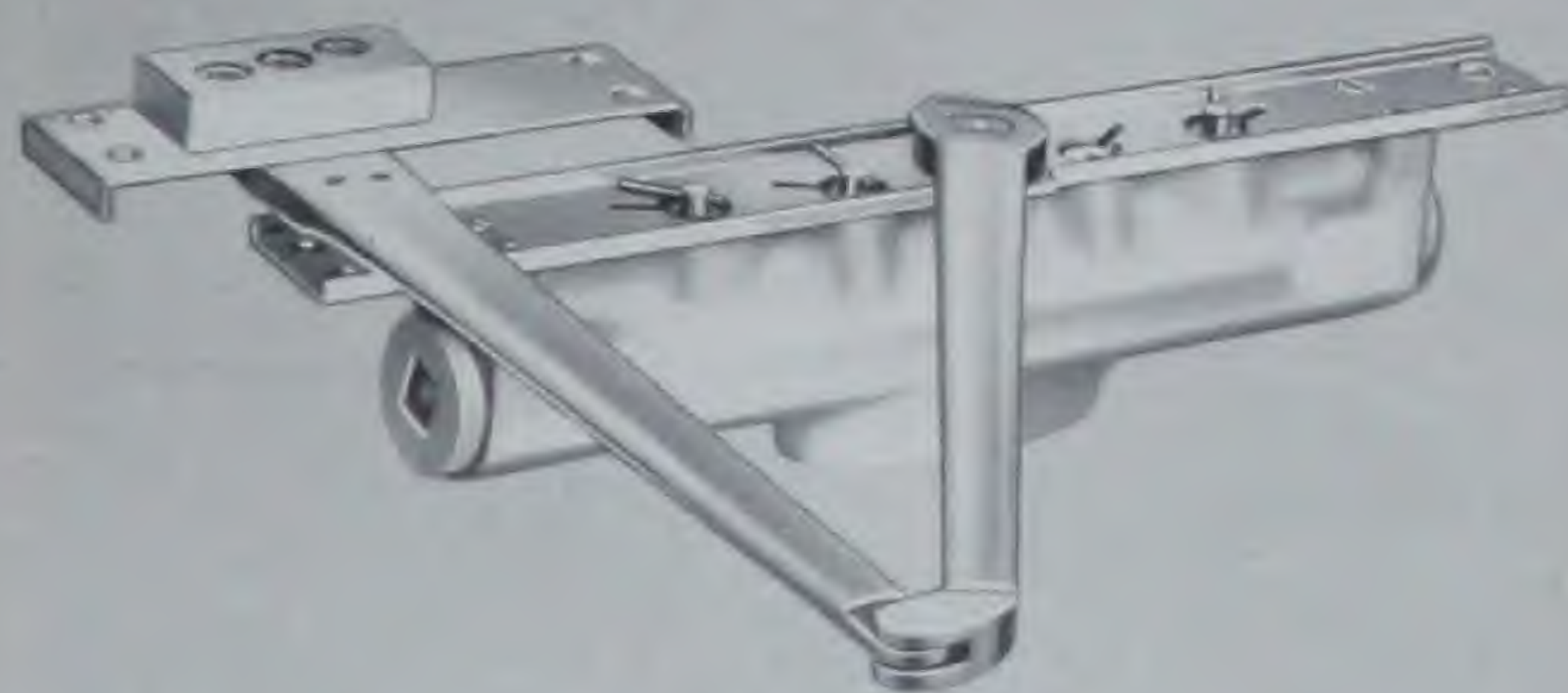
Briton 502. Surface-fixing. The neatly styled cover projects 1 5/8" only from the face of the door. Adjustable arm, as in pattern 501.

With Silver Anodised Cover and Silver Finish Arm .. 207/- each

Prices include Wood Screws for fixing.

All "500" Series are also available with Satin Nickel Plated or Satin C.P. Arms.

When ordering, please state Hand required.
(See diagrams on right.)



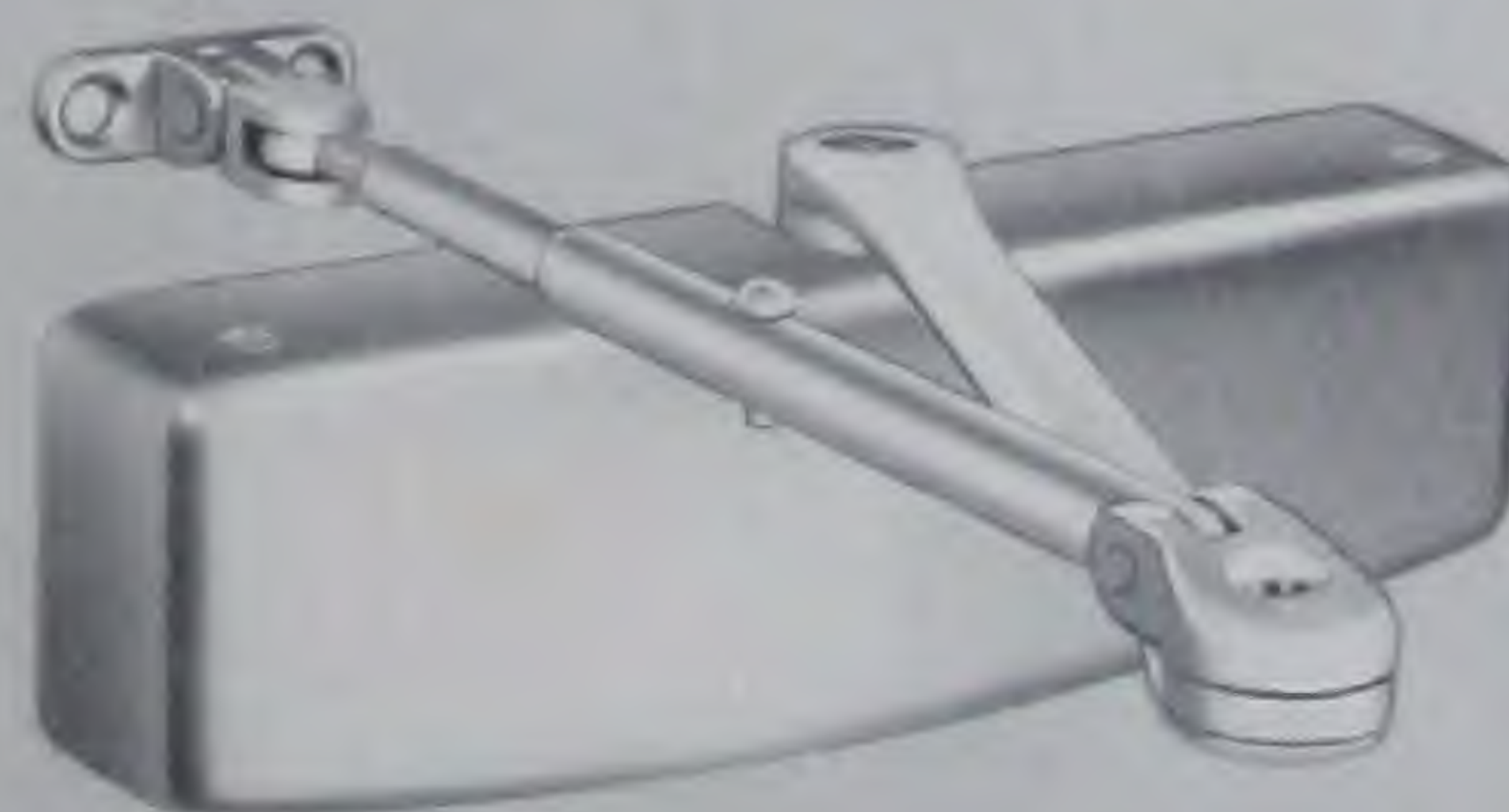
500



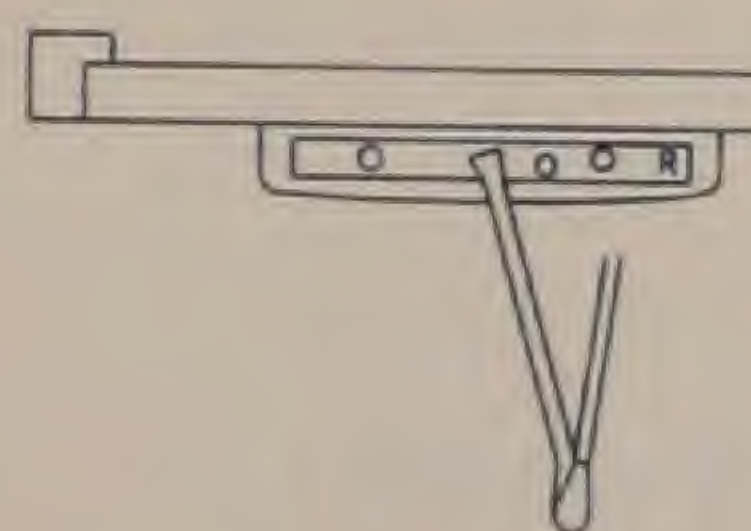
501



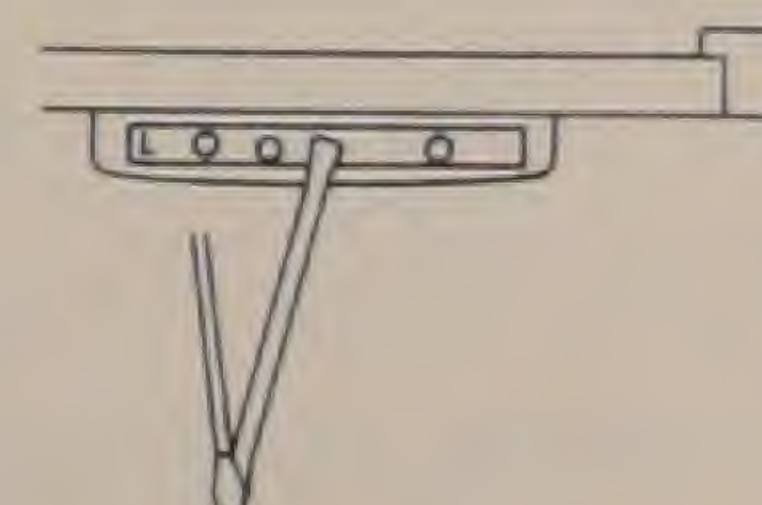
507



502



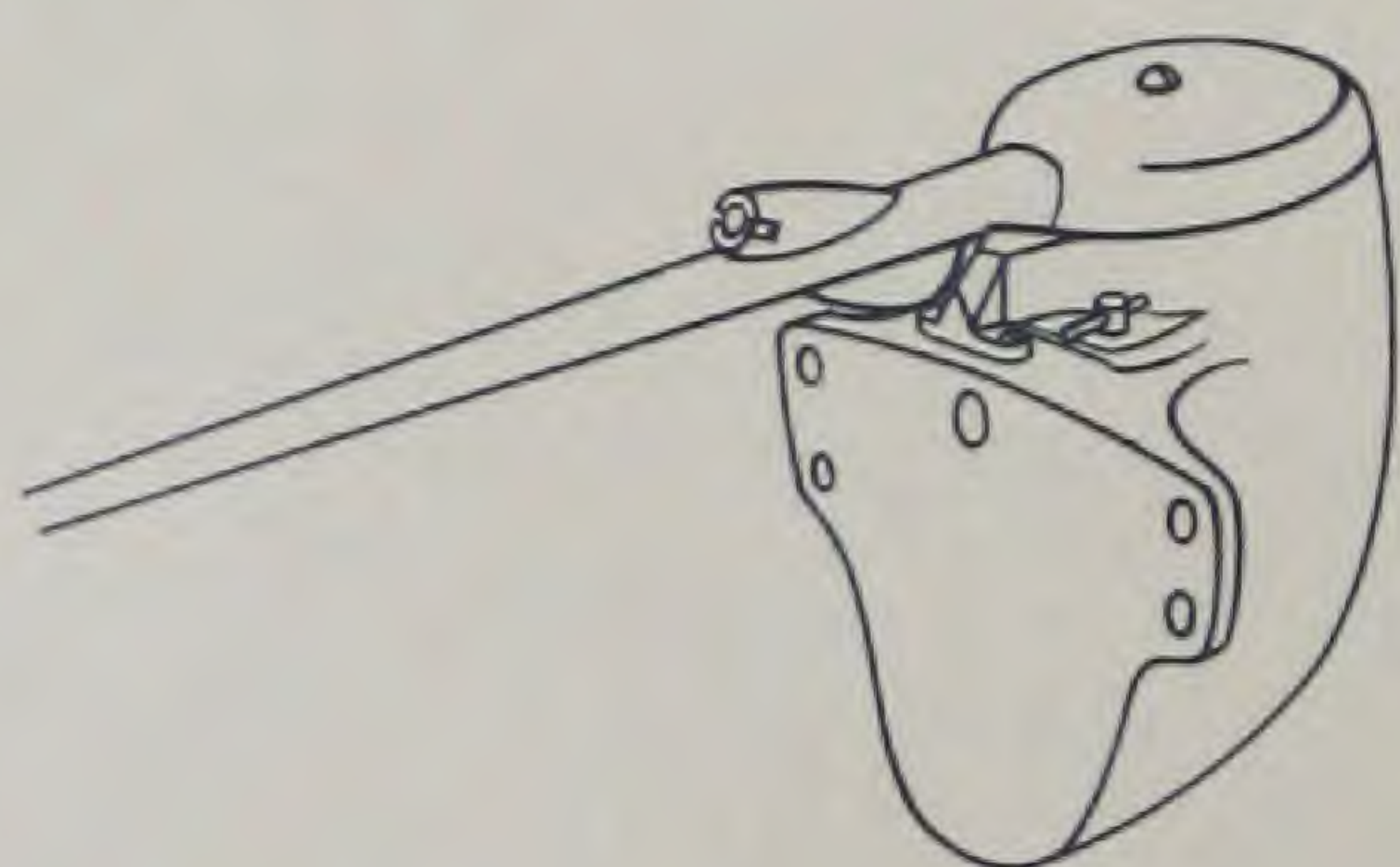
Right Hand Closer



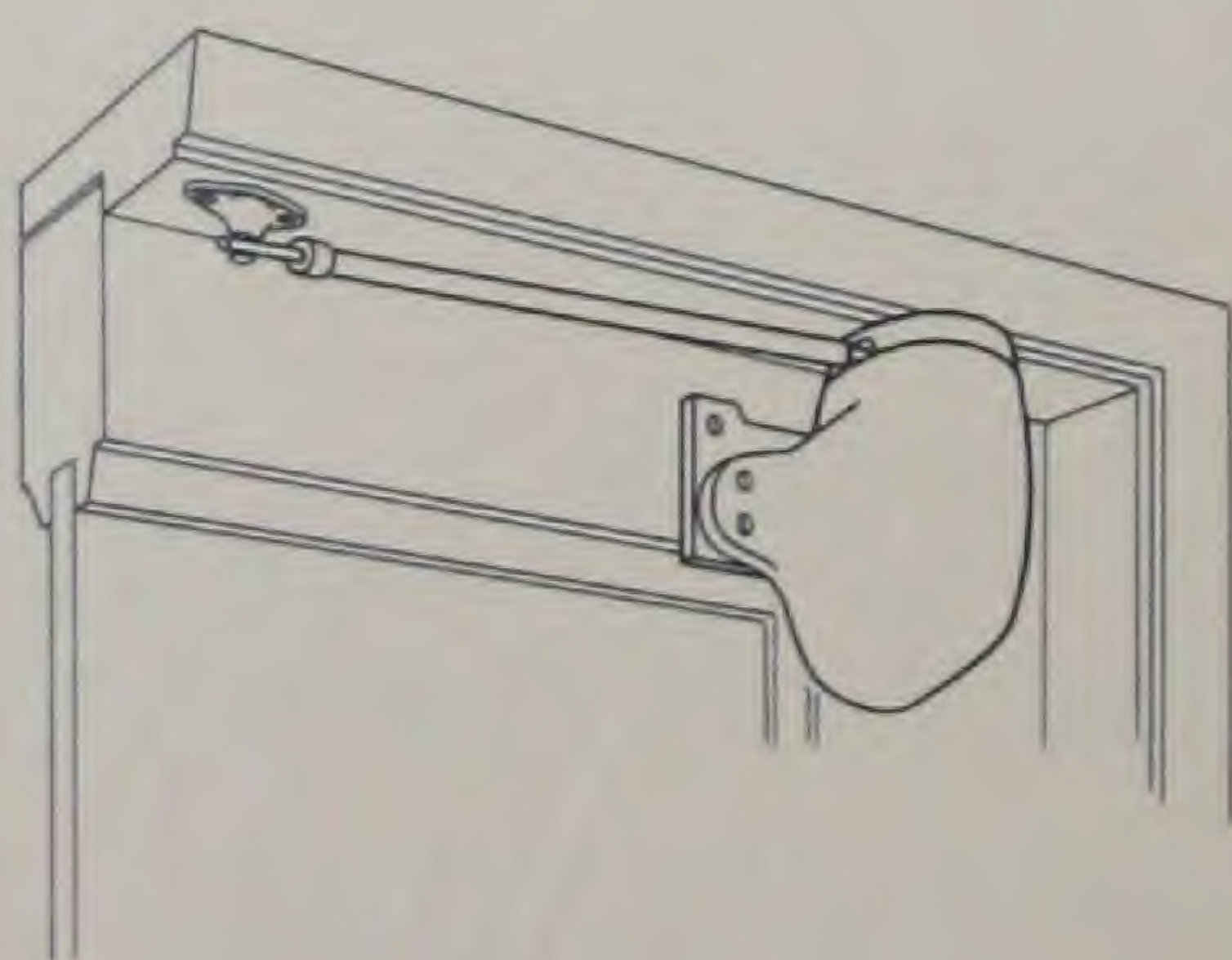
Left Hand Closer



200



200/22 Stand-open Closer



200/60 Telescopic Arm Closer
(Fig. 24 Adaptor Plate fitted)

DOOR CLOSERS

With Hydraulic Check. For Single Action Doors.

BRITON 200

For fixing to inside of Door. Suitable for Medium Internal Doors not exceeding 7' 0" x 2' 9", or 112 lbs in weight. Gold Bronzed or Silver Finish 94/6 each

BRITON 200/22

Fitted with adjustable plunger to hold door at 90°. Gold Bronzed or Silver Finish 117/- each

BRITON 200/60

For fixing to outside of door in situations where the projection of the arm would cause obstruction. A stand-open device to hold door at 90° is incorporated, which can be used if desired. Gold Bronzed or Silver Finish .. 117/- each
Drawing shows Right-hand; Left-hand also available. Can also be supplied with arm bracket for fixing to the inside of door.

This fixing is also available for Briton 2879 (page 103). Please specify Briton 2879/60.

200/60 and 2879/60 are not recommended for external doors.

ATTACHMENTS FOR DOOR CLOSERS

Fig. 24 Adaptor Plate. Purpose-made to individual requirements. For Door Closers 200 or 2879.

Fig. 2 Soffit Bracket. For fixing Closer outside of door opening inwards.

Fig. 3 Soffit Bracket. Purpose as Fig. 2, but for use where fixing space is limited.

Gold Bronzed or Silver Finish	For "200"	For 2879 (page 103)			
Fig. 2 .. each } Fig. 3 .. " }	9/3	A 8/-	B 9/3	C 10/9	D 13/-

Prices include Wood Screws for fixing.

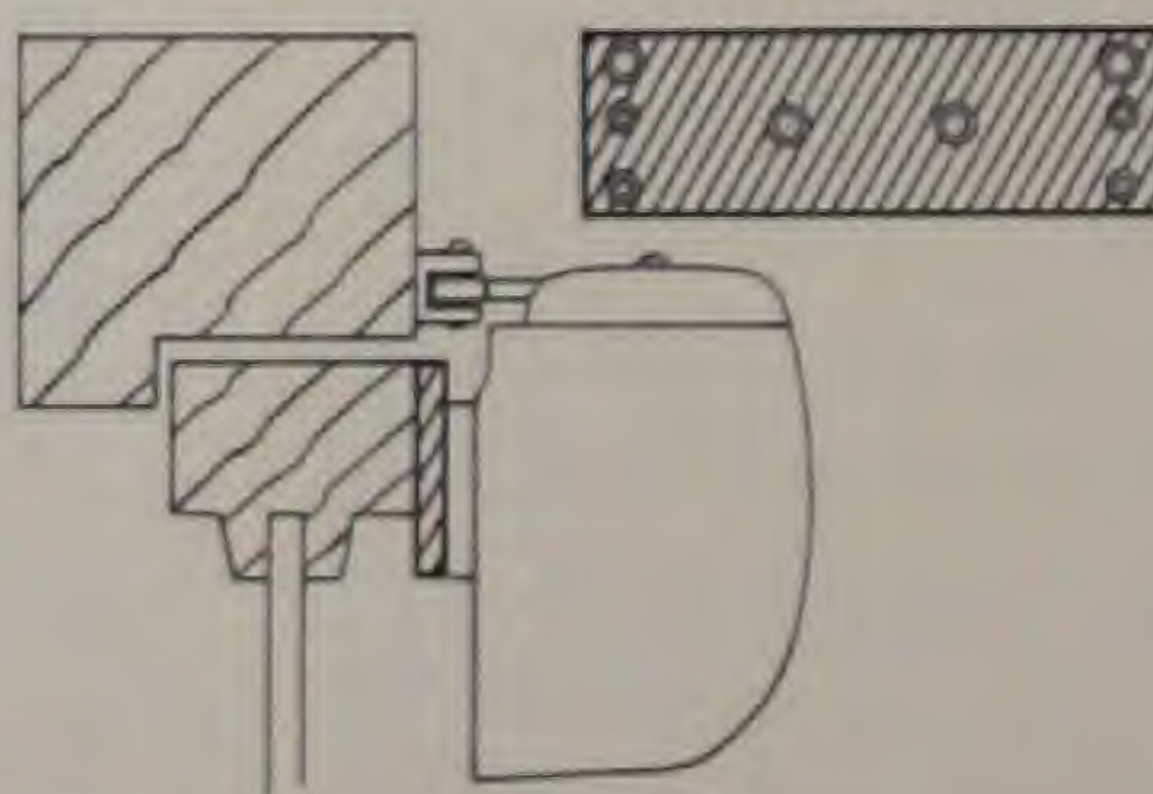


Fig. 24 Adaptor Plate
For Narrow Top Rails

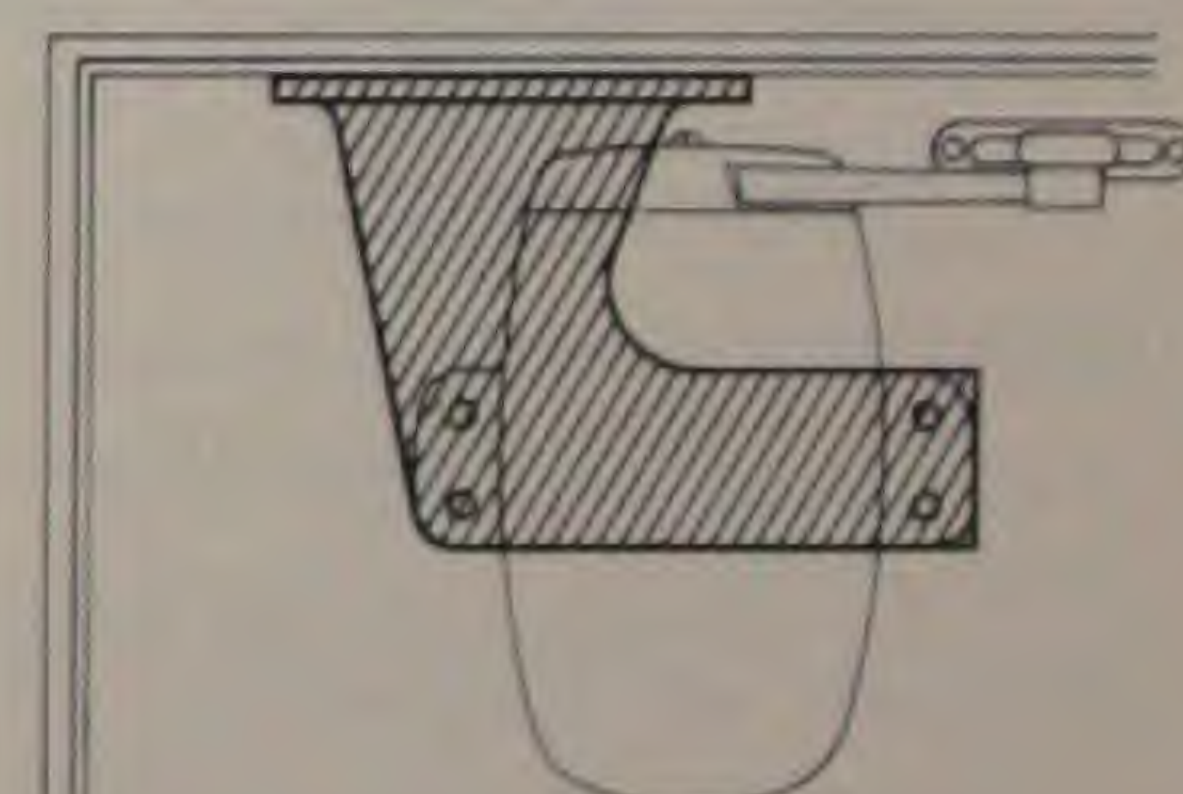


Fig. 2 Soffit Bracket

DOOR CLOSERS

With Hydraulic Check. For Single Action Doors.

BRITON 2879

For fixing to inside of Door.

Size A	For Doors up to 7' 0" x 2' 4"	Not exceeding	90 lbs
" B	" " " " 7' 0" x 2' 9"	" "	112 "
" C	" " " " 7' 6" x 3' 0"	" "	150 "
" D	" " " " 7' 6" x 4' 0"	" "	180 "

If required for External Doors, use one size larger.

Gold Bronzed or Silver Finish	Size A	B	C	D
	73/6	87/6	108/-	138/- each

BRITON 2879/16

Door is held at 90° by an adjustable plunger.

Gold Bronzed or Silver Finish	Size A	B	C	D
	96/-	110/-	131/-	160/- each

BRITON 2879/18

Similar to 2879/16 but two stand-open positions are available, which can be varied.

Gold Bronzed or Silver Finish	Size A	B	C	D
	109/-	123/-	143/-	173/- each

BRITON 2879/6

For Fixing to outside of Door. The Arm is fixed to the soffit, leaving a clear passage at the head.

Gold Bronzed or Silver Finish	Size A	B	C	D
	92/6	110/-	132/-	165/- each

Drawing shows Left-hand; Right-hand also available. This fixing is also available for Briton 200 (page 102). Please specify 200/6.

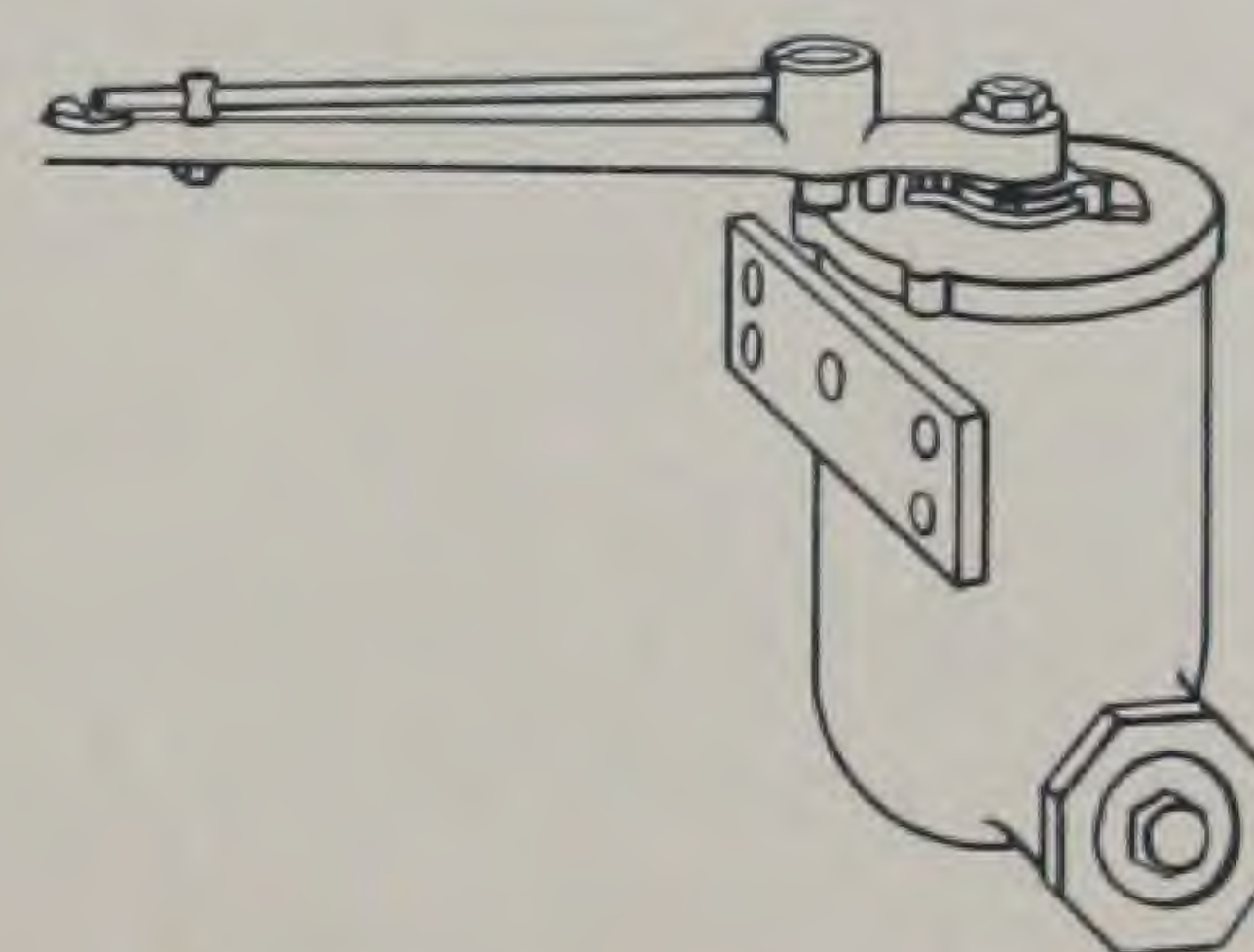
A separate Stand-open Attachment 3070 to hold door at 90° can be supplied for 2879/6 above (all sizes) or 200/6. Gold Bronzed or Silver Finish 22/6 each

Prices include Wood Screws for fixing.

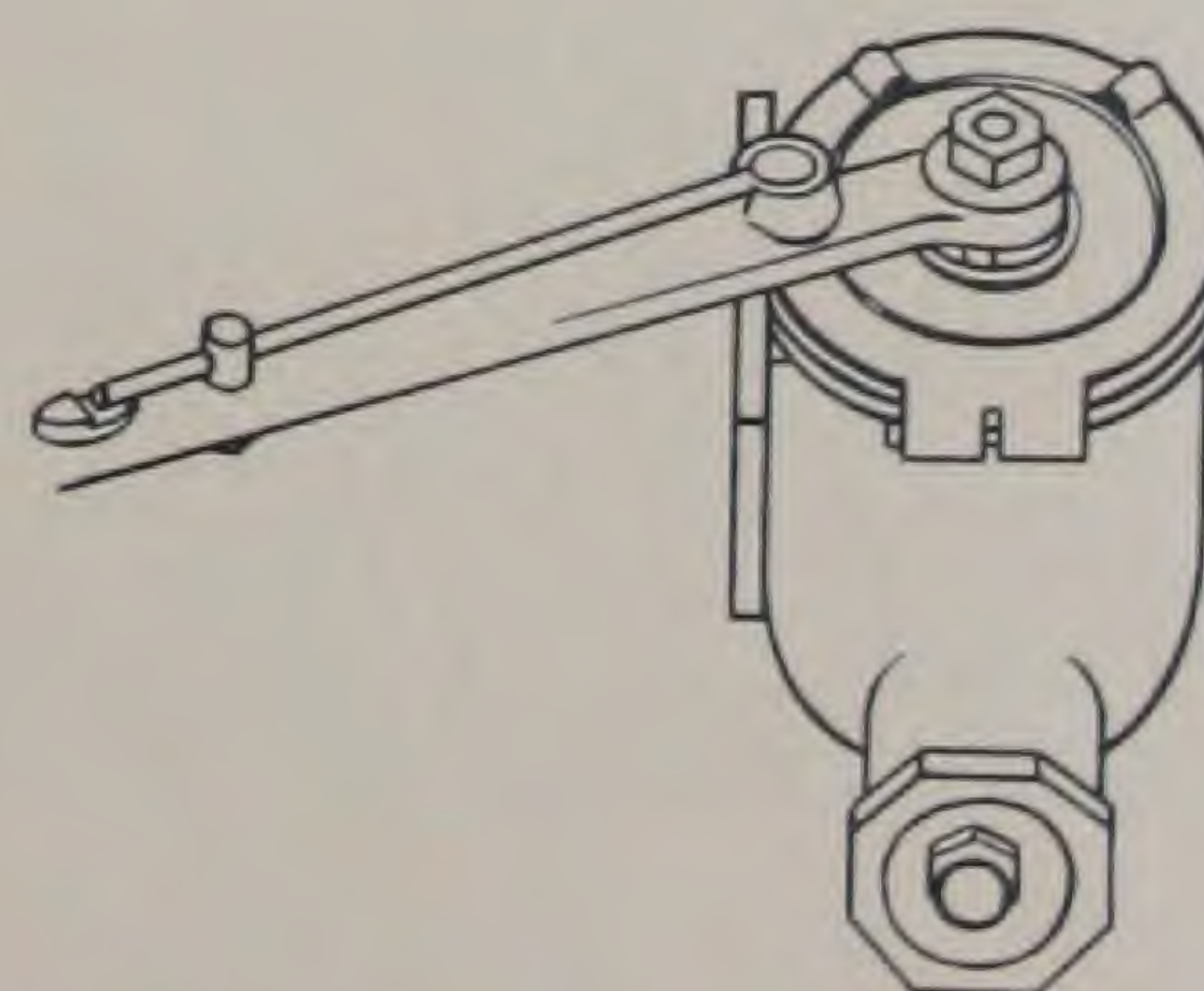
All Briton Closers on pages 102 & 103 can also be supplied in Brown or Statuary Bronzed, Satin C.P. or Satin Nickel Plated.



2879



2879/16 Stand-open Closer



2879/18 Stand-open Closer

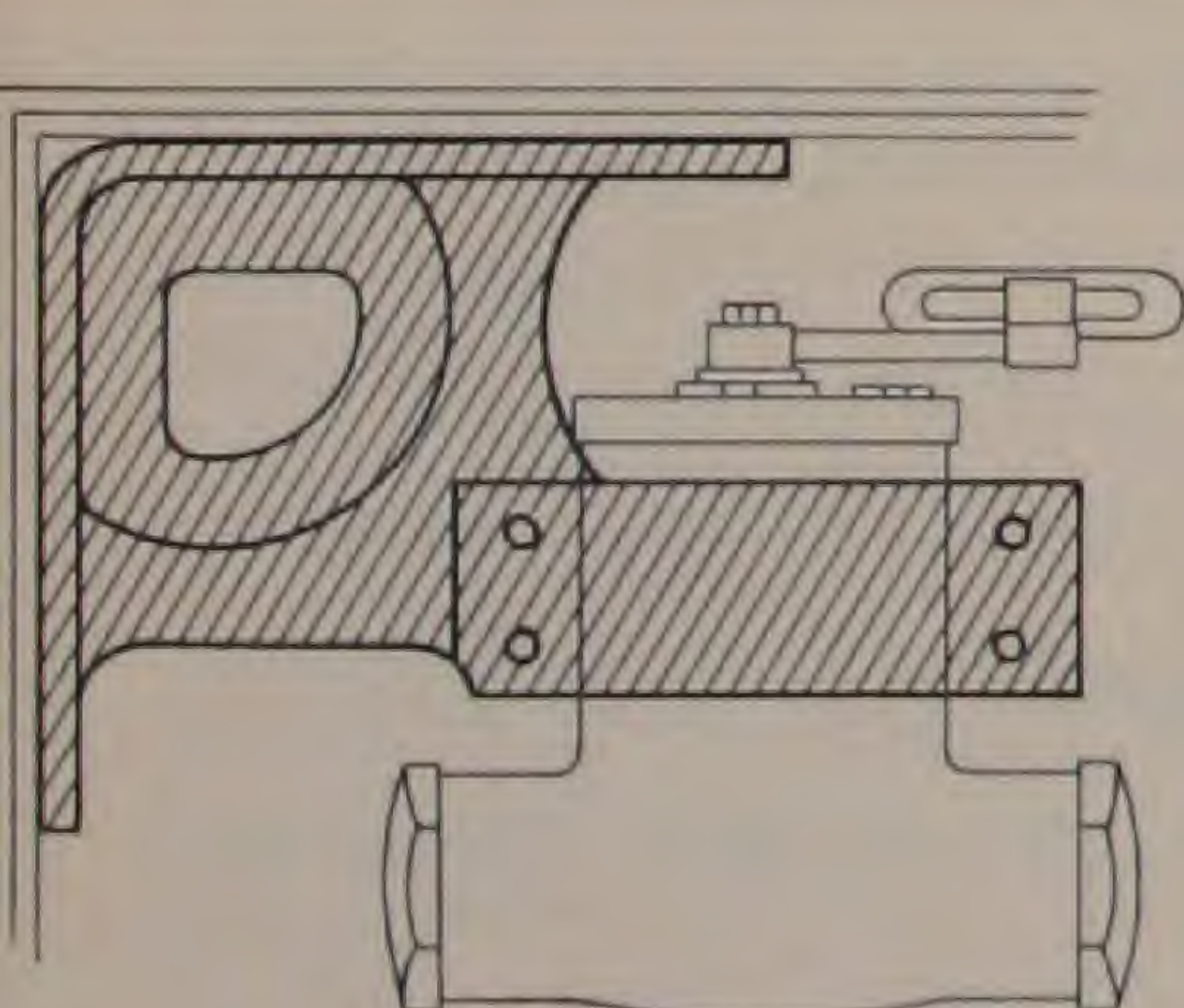
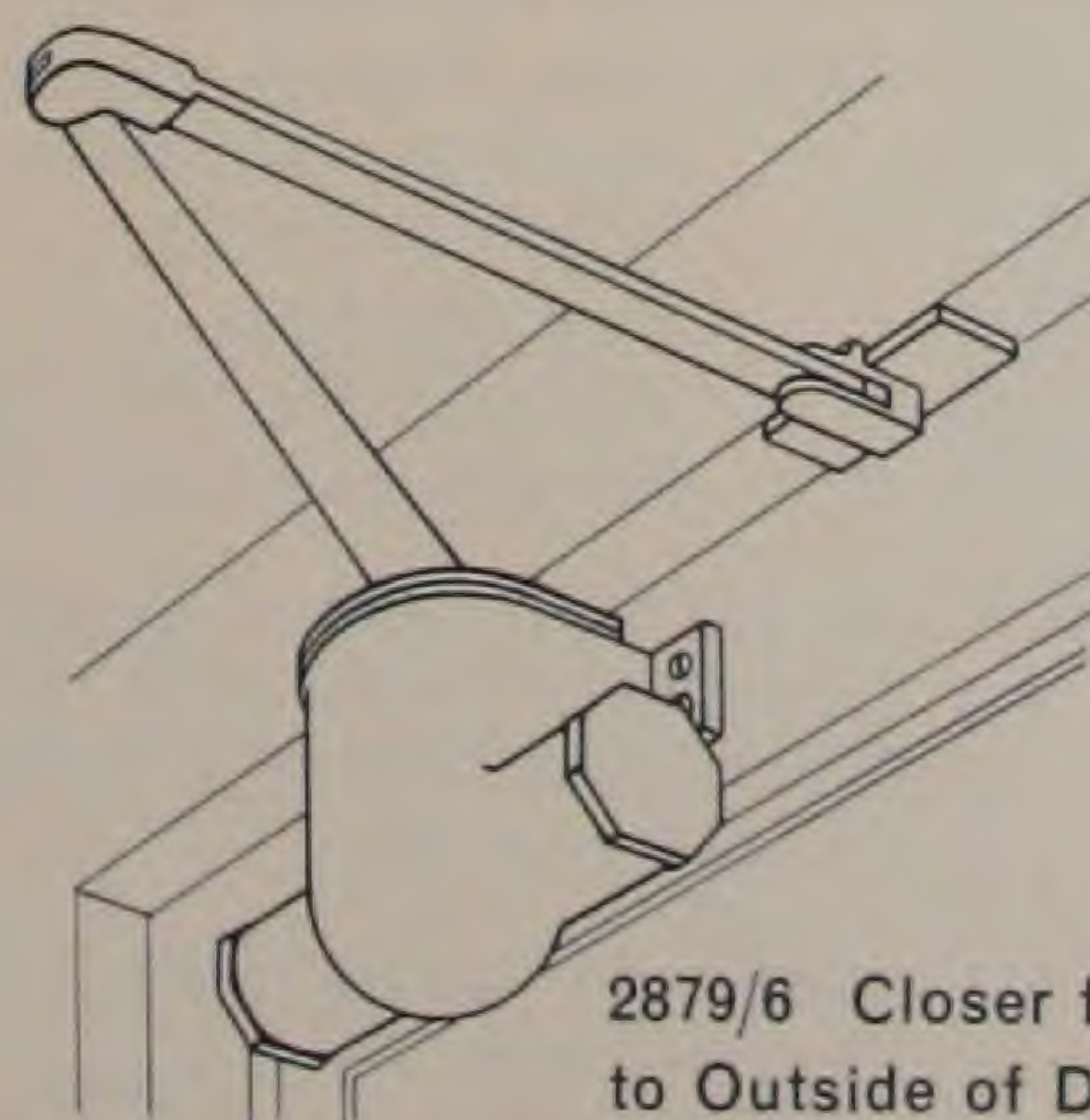
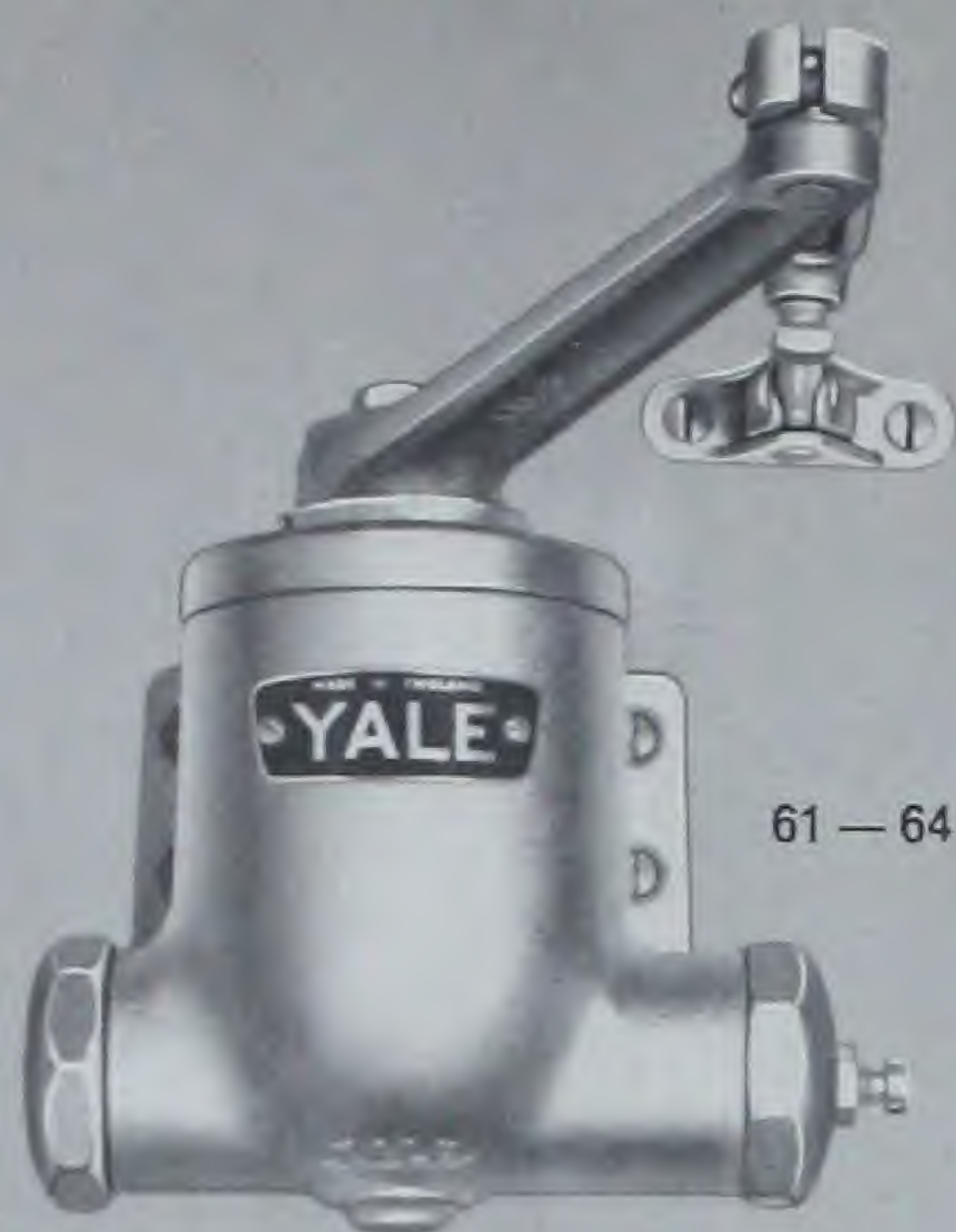


Fig. 3 Soffit Bracket



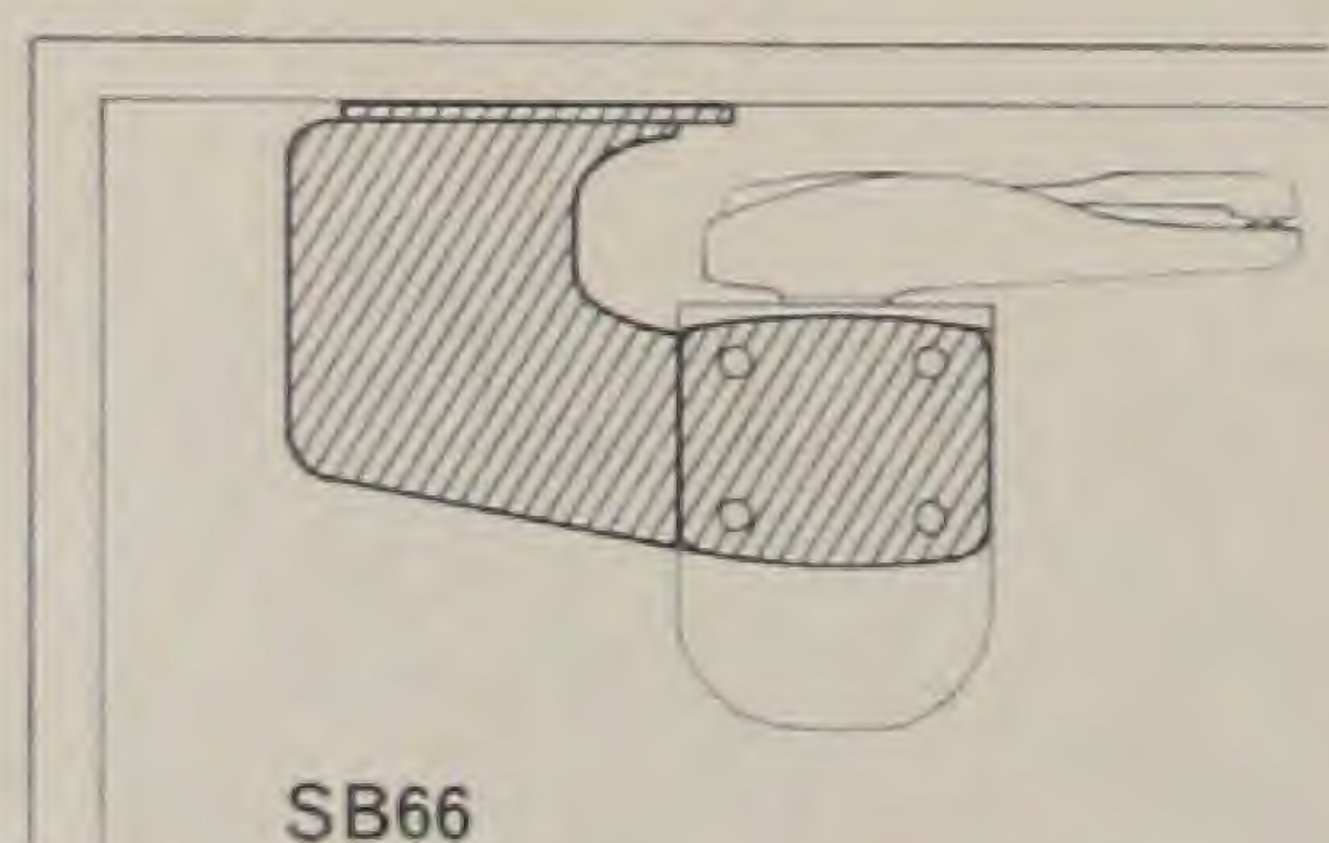
2879/6 Closer for fixing to Outside of Door



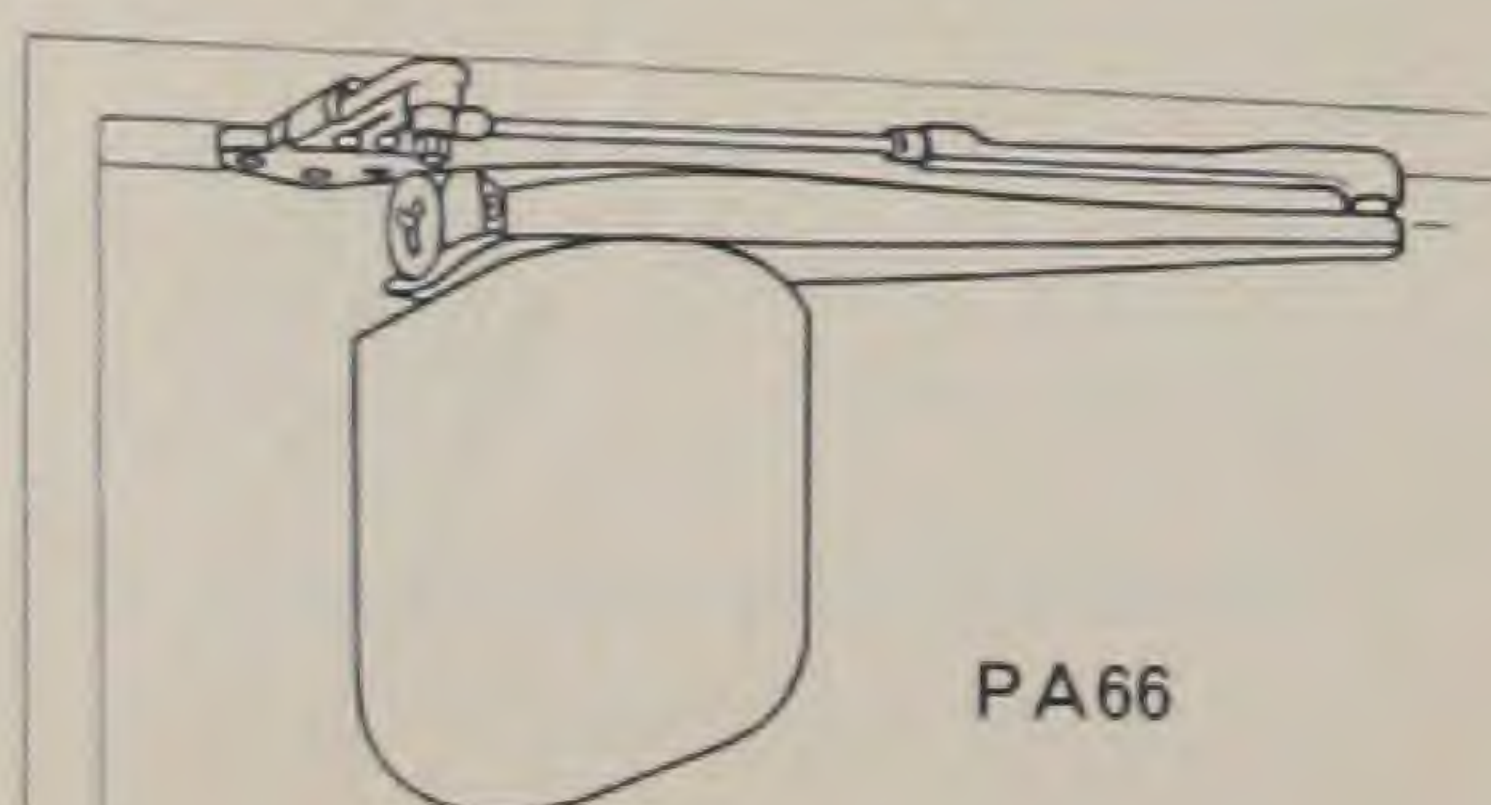
61 — 64



66



SB66



PA66

DOOR CLOSERS

With Hydraulic Check. For Single Action Doors.

"YALE" 61—64 Series

For fixing to inside of Door. Gold Bronzed.

61	For Light Internal Doors.. ..	73/6 each
62	For Medium Internal Doors	87/6 "
63	For Heavy Internal or Medium External Doors	108/- "
64	For Heavy External Doors not exceeding 7' 6" x 3' 0"	130/- "

2890 Soffit Bracket. For fixing Closer outside of Door. Available in sizes to suit all the above Closers. Prices on application.

"YALE" 66 Series

One size only, but with four alternative spring settings equivalent to the 61—64 Series shown above.

The Check Action housed in the main arm has two regulating screws to control initial and final closing speeds.

Other features include concealed fixing which provides for narrow top rails, and coupling arm with "snap-on" action easily detachable from main arm.

66	For fixing to inside of Door.	
	Gold Bronzed	92/- each
	Silver Finish, with Polished C.P. strip	95/- "
SB66	With Bracket for fixing outside of Door.	
	Gold Bronzed	105/6 each
	Silver Finish, with Polished C.P. strip	109/- "
CB66	With Corner Bracket for fixing outside of Door.	
	Prices on application.	
PA66	With Parallel Arm for fixing to outside of Door.	
	Leaves a clear passage at the head with a minimum of arm projection.	
	Gold Bronzed	102/- each
	Silver Finish, with Polished C.P. strip	105/- "
	Drawing shows Left Hand. Right Hand also available.	

All 66 Series Closers can be supplied fitted with concealed device to hold door at 90° to 100°. If this is required please specify 1166 in place of 66 when ordering.

"Yale" 66 Series also available in Satin C.P.—prices on application.

All above prices include Wood Screws for fixing.

DOOR CLOSERS AND FITTINGS

"MAGIC" DOOR CLOSERS. With Pneumatic Check.

For Light Interior Single Action Doors up to 50 lbs.

2884/1 For fixing to Inside of Door.
Gold Bronzed 38/6 each

2884/2 For fixing to Outside of Door.
Gold Bronzed 38/6 each

"MIDGET" DOOR CLOSERS. With Pneumatic Check.

For Very Light Interior Single Action Doors up to 35 lbs.

2887/1 For fixing to Inside of Door.
Gold Bronzed 21/6 each

2887/2 For fixing to Outside of Door.
Gold Bronzed 21/6 each

DOOR CATCH. 8514

For a Swing Door which will not remain closed, this Catch provides a means of holding it firmly against wind pressures. It is adjustable, and engages easily and positively into the closed position. Body is mortised into top rail of door, and top roller is fixed to door head.

Plate 6" x 1½". Depth of Mortice 1".

B.M.A. 108/- each

SELECTOR STAY. 8513

For use on a pair of Folding Rebated Doors fitted with Door Closers, to ensure that the Doors close in their correct order, irrespective of the way they are opened.

Diagram shows Stay holding door A open until door B closes and depresses the Trigger, releasing the Stay and allowing door A to close.

The unit is fixed to the underside of a projecting head, being designed to suit a pair of doors with each leaf up to 3' 6" wide. Suitable for Right or Left-hand doors without alteration.

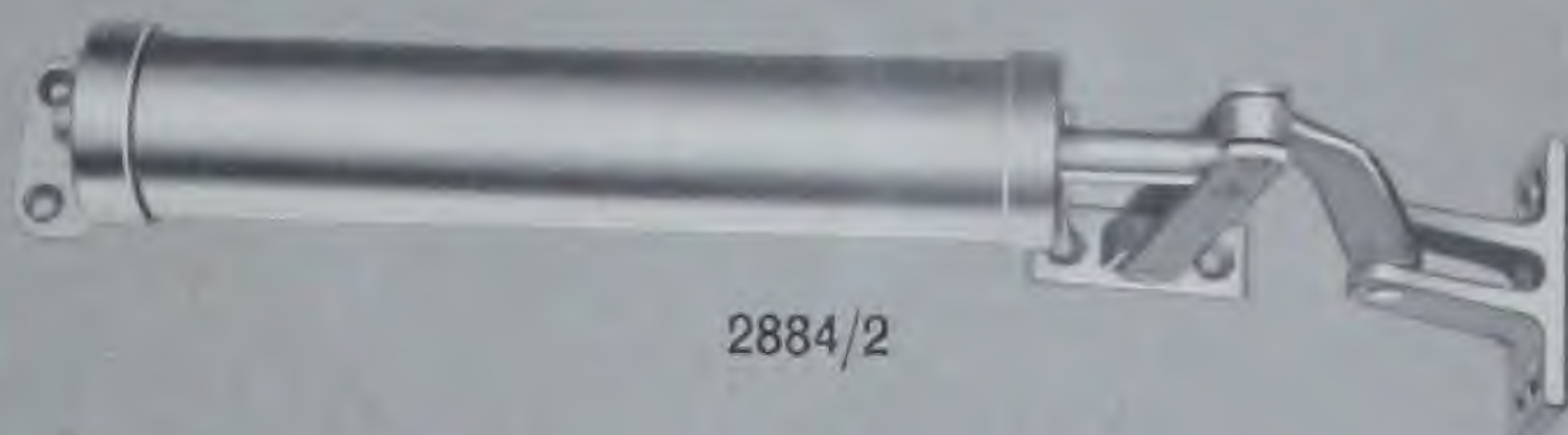
Box 4½" x 1½" x 13/16". Arm 7" long.

Real B.M.A. 81/- each
Satin C.P. 92/- "

All above prices include Wood Screws for fixing.



2884/1



2884/2



2887/1



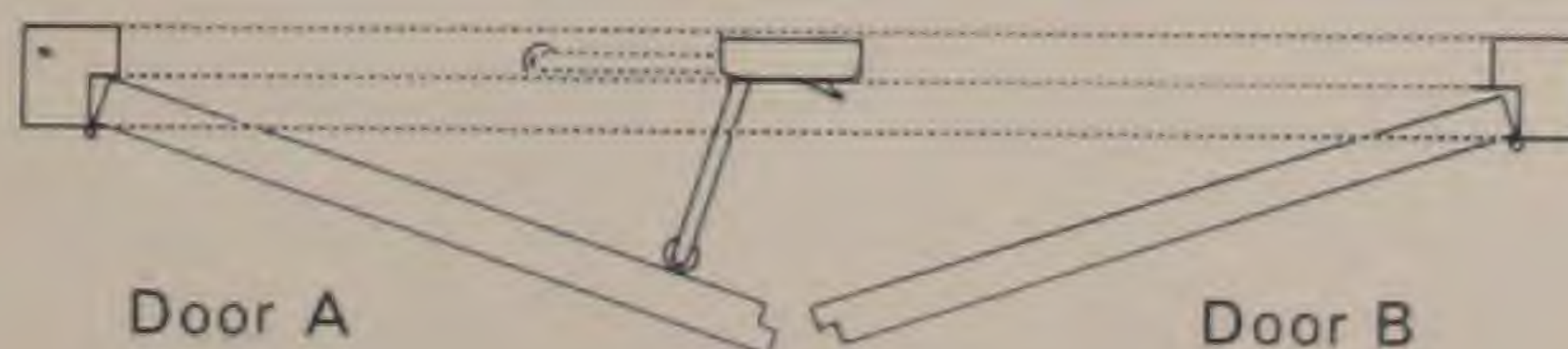
2887/2



8514



8513



Door A

Door B

DOOR CHECKS AND SPRINGS

For Single Action Doors.

1906 "DICTATOR" HYDRAULIC DOOR CHECK.

Checks the closing of the door when the rubber roller on the arm enters the hook fixed to the head-frame. The Check is fitted to the middle of the door at the top. A Door Spring is necessary to close the door and in the final closing to work in conjunction with the check to achieve silent and positive closing.

Bronze Finish	..	..	..	32/6 each
Polished C.P.	..	..	..	52/- "

1907 "DICTATOR" DOOR SPRING.

(For use with 1906 shown above.)

For Medium Doors. Length 6". Height 4 1/4".

Bronze Finish	..	..	..	12/9 each
Polished C.P.	..	..	..	26/6 "

A 9" Spring can be supplied for heavier doors.

"D 33" HYDRAULIC DOOR CHECK.

Controls the door in the final closing. It is suitable for doors weighing up to 80 lbs. Can be used with spring hinges or a door spring; a 4" 5158 Door Spring as shown hereunder is adequate. The "D 33" is fitted to the outside of the door, and the check guide is fixed under the head-frame.

Brown Bronze Finish	..	..	..	39/- each
Silver Finish	..	..	..	39/- "

When ordering "D 33", please state hand. A Right Hand check is required for a door hinged on the right viewed from outside, and a Left Hand check if hinged on the left.

5158 HELICAL SPRING, WITH REGULATOR.

Japanned Iron.

4"	5"	6"	8"
15/-	18/9	22/-	34/- each

3919 HEAVY PATTERN SPRING, WITH REGULATOR.

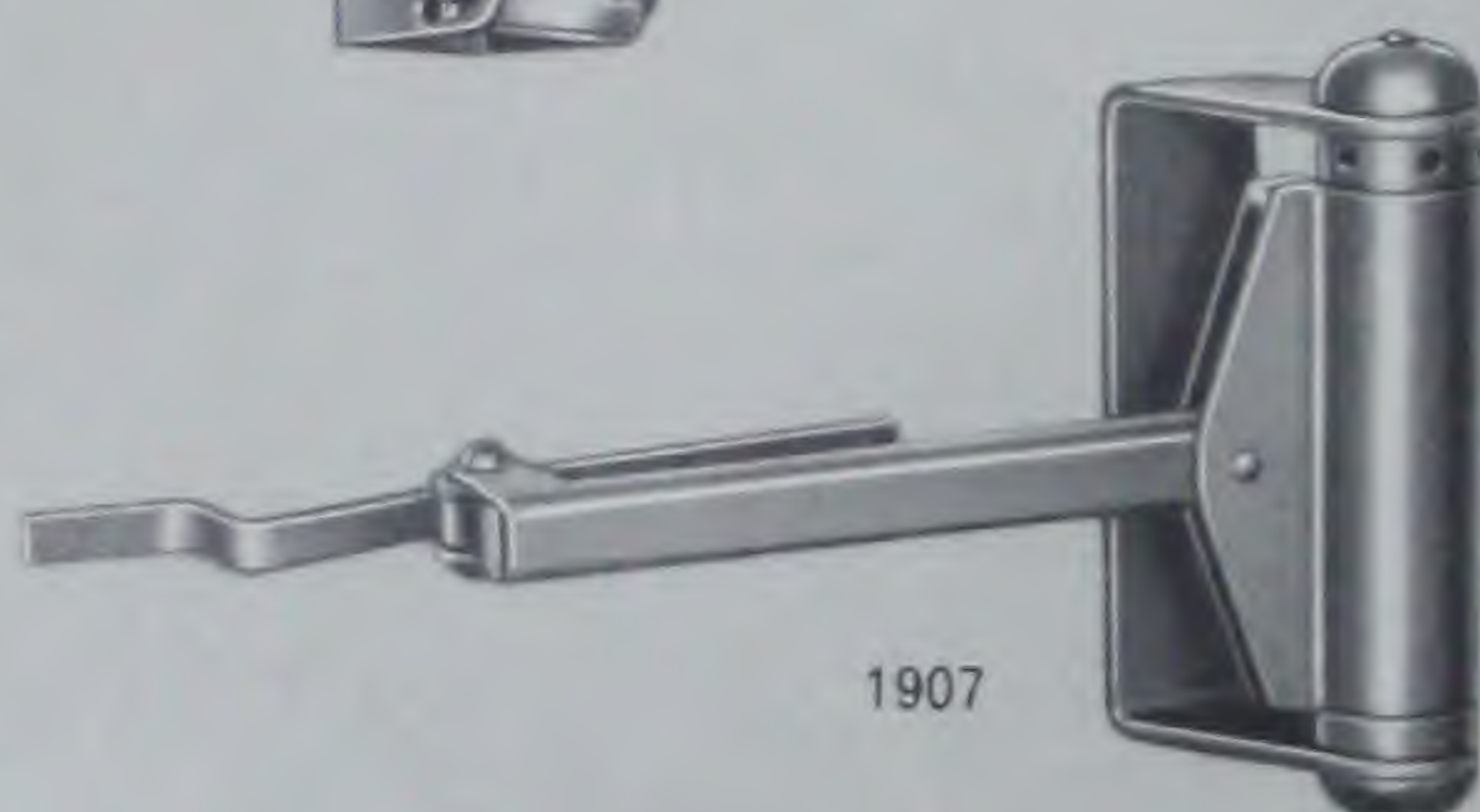
Especially suitable for doors fitted with Coin Lavatory Locks. The power exerted by the spring is greatest when the door almost reaches the closed position, ensuring firm closing of the door. Length 10".

Polished Brass	..	..	..	47/6 each
Satin C.P.	..	..	..	61/- "

Prices include Wood Screws for fixing except 5158.



1906



1907



"D 33"



5158



3919

SPRING AND CHECK HINGES

"VANGUARD" SPRING HINGE AND HYDRAULIC CHECK HINGE.

Single and Double Action.

Especially suitable for doors in positions where it is impracticable to fit either floor springs or door closers. Spring Hinges are fitted at the top of the door, Check Hinges at the bottom.

Both Spring and Check Hinges can be regulated. They are not available to hold the door open.

For Medium Internal Doors, up to 100 lbs.

Single Action:		B.M.A. Finish	Satin C.P.
1900	Spring Hinge, $6\frac{1}{4}"$	647/-	696/- pair
1901	Check Hinge, $7\frac{1}{4}"$		

Double Action:			
1902	Spring Hinge, $6\frac{1}{4}"$	289/-	319/- pair
1903	Check Hinge, $8\frac{1}{4}"$		

For Internal Doors over 100 lbs. and not exceeding 180 lbs., a set comprising two Spring Hinges and one Check Hinge can be supplied—prices on application.

HAWGOOD'S SPRING HINGES

Double Action.

		Plate	Wings
1908	Single Barrel Hinge	$6" \times 2\frac{1}{4}"$	$3\frac{1}{4}" \times 1\frac{7}{8}"$
1909	Twin Barrel Hinge	$8" \times 2\frac{1}{4}"$	$3\frac{1}{4}" \times 4"$

Barrel projection from face (1908 and 1909): 3".

For Doors:	Use:
Up to 50 lbs.	Two 1908 Hinges.
Over 50 lbs. up to 100 lbs.	One 1908 and one 1909.
Over 100 lbs. up to 150 lbs.	Two 1909.

The weights given are nominal, and apply to Internal Doors. If required for External Doors, allowance should be made for wind pressure and door area.

1908 and 1909 are available in two types:

- Type A To swing through 90° each way.
- Type B To hold door at 90°.

		Real B.M.A.	Satin C.P.
1908	Single Spring Hinge (Type A or B)	53/-	64/- ea.
1909	Twin " " (" " " ")	89/-	104/- "

When ordering, please state thickness of door. The inside measurement of the wings is the same as the thickness of the door. Can be supplied for doors $1\frac{1}{2}"$ to $2\frac{1}{2}"$ thick.

Prices include Wood Screws for fixing.



1900



1901



1902



1903



1908



1909



Spring Hinge
8600 & 2434



Spring Hinge
8601 & 2436



Blank Hinge
8601



Blank Hinge
2436



Spring Hinge
2647



Spring Hinge
2648

SPRING HINGES

BRASS, B.M.A. FINISH

A pair of Single Action comprises two Spring Hinges. A pair of Double Action comprises one Spring Hinge and one Blank Hinge. Sizes shown are those of Spring Hinges, the Blank Hinges being smaller.

Size of Hinge	For Doors	8600 Single Action	8601 Double Action
3½"	1"—1¼"	—	60/- pair
4"	1¼"—1½"	60/6 pair	70/- "
4½"	1½"—1¾"	63/6 "	79/- "
5"	1¾"—2"	—	96/- "
6"	2"—2¼"	—	121/- "

Hinges 8600 and 8601 are also available in Polished or Satin C.P. on Brass—Prices on application.

CAST IRON, JAPANNED

A pair of Single Action comprises two Spring Hinges. A pair of Double Action comprises one Spring Hinge and one Blank Hinge.

Size of Hinge	For Doors	2434 Single Action	2436 Double Action
3½"	1"—1¼"	—	34/- pair
4"	1¼"—1½"	27/6 pair	39/- "
4½"	1½"—1¾"	31/- "	46/- "
5"	1¾"—2"	—	53/- "
6"	2"—2¼"	—	65/- "

STEEL, JAPANNED

In pairs, comprising two Spring Hinges.

Size of Hinge	For Doors	2647 Single Action	2648 Double Action
3"	¾"—1"	—	21/6 pair
4"	1"—1½"	16/9 pair	24/- "
5"	1½"—1¾"	19/6 "	32/- "
6"	1¾"—2"	—	41/- "

Hinges 2647 and 2648 are also available in Bronzed Steel, B.M.A. Finish on Brass, and Nickel-plated or Satin C.P. on Steel or Brass—Prices on application.

All above Spring Hinges have Regulators.

Prices include Wood Screws for fixing.

HINGES

WITH STEEL WASHERS AND STEEL PINS

		Length Width open	3" 1 $\frac{7}{8}$ "	3 $\frac{1}{2}$ " 2 $\frac{1}{4}$ "	4" 2 $\frac{5}{8}$ "	4" 3"	5" 3"
2421	Brass	6/-	8/-	10/9	12/6	15/6 pair	
2542	B.M.A. Finish on Brass	6/9	9/-	12/6	15/6	17/6 "	
8620	B.M.A. on Polished Brass	8/9	11/3	15/-	17/-	20/6 "	
8621	Satin C.P. on Brass ..	9/6	12/-	16/-	18/-	22/6 "	

WITH NYLON WASHERS AND STAINLESS STEEL PINS

		Length Width open	3" 1 $\frac{7}{8}$ "	3 $\frac{1}{2}$ " 2 $\frac{1}{4}$ "	4" 2 $\frac{5}{8}$ "	4" 3"	5" 3"
8622	Brass	8/-	10/3	13/3	15/3	18/6 pair	
8623	B.M.A. Finish on Brass	9/-	11/6	14/9	16/9	20/6 "	
8624	B.M.A. on Polished Brass	10/9	13/6	17/6	19/6	23/6 "	
8625	Satin C.P. on Brass ..	11/6	14/6	18/6	21/-	25/6 "	
		Length Width open	3" 1 $\frac{5}{8}$ "	4" 2 $\frac{3}{8}$ "	4" 2 $\frac{5}{8}$ "		
8632	Silver Anodised Aluminium ..		7/9	12/9	13/6 pair		

5253 WITH STEEL PINS

5254, 8626 AND 8627 WITH BRASS PINS

		Length Width open	2 $\frac{1}{2}$ " 1 $\frac{1}{2}$ "	3" 1 $\frac{7}{8}$ "	3 $\frac{1}{2}$ " 2 $\frac{1}{4}$ "	4" 2 $\frac{5}{8}$ "	4" 3"
5253	Brass	3/6	5/-	7/-	9/9	11/6 pair	
5254	Brass	3/8	5/3	7/3	10/-	11/9 "	
8626	B.M.A. Finish on Brass	4/3	6/-	8/3	11/3	13/- "	
8627	Satin C.P. on Brass ..	6/-	8/9	11/3	15/-	17/- "	

5250 WITH STEEL PINS. 5251 WITH BRASS PINS

		Length Width open	1" $\frac{5}{8}$ "	1 $\frac{1}{2}$ " $\frac{7}{8}$ "	2" 1 $\frac{1}{8}$ "	2 $\frac{1}{2}$ " 1 $\frac{3}{8}$ "	3" 1 $\frac{5}{8}$ "	4" 2 $\frac{3}{8}$ "
5250	Brass	1/7	1/10	2/4	3/2	3/10	8/- pair	
5251	Brass	1/9	2/-	2/6	3/3	4/2	8/3 "	

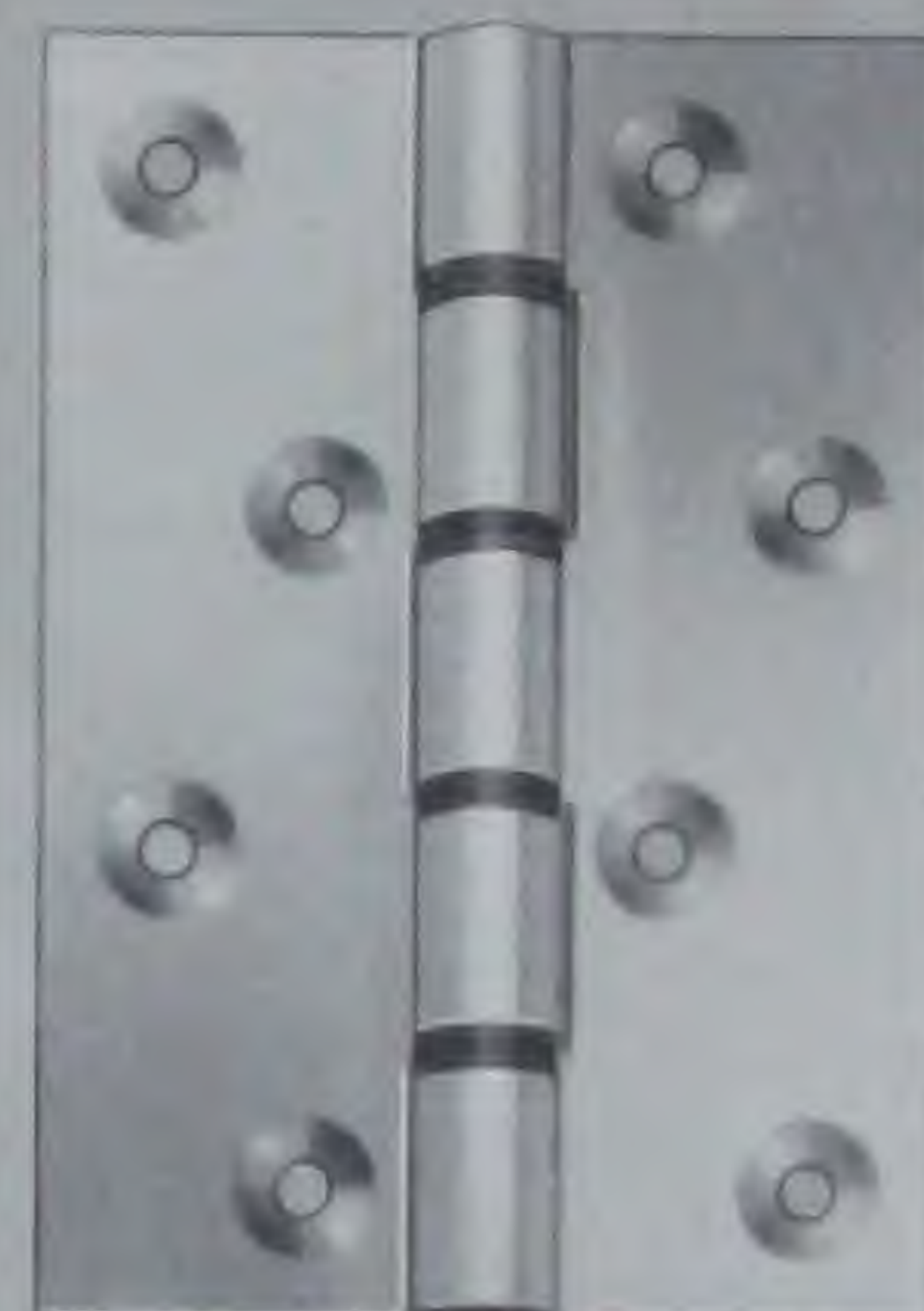
LIFT-OFF HINGES

		Length Width open	3" 2 $\frac{1}{8}$ "	4" 3 $\frac{1}{8}$ "
	Nylon Bush Bearing.			
8628	Silver Anodised Aluminium ..	16/-	23/- pair	
8629	Satin Silver Anodised Aluminium ..	16/9	24/6 "	
		Length Width open	3" 2 $\frac{1}{4}$ "	4" 3 $\frac{1}{4}$ "
	Ball Bearing.			
8630	Silver Anodised Aluminium ..	16/9	24/6 pair	
8631	Satin Silver Anodised Aluminium ..	17/6	25/9 "	

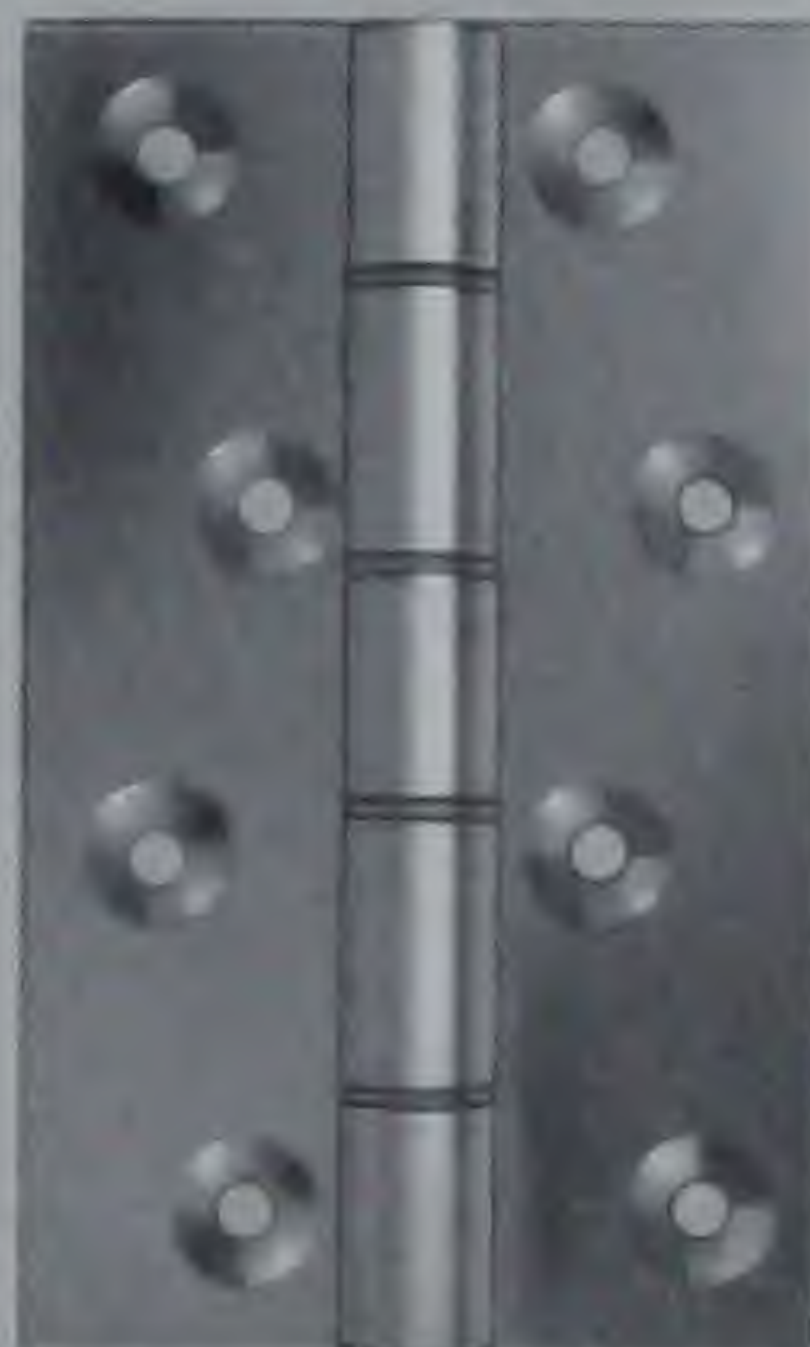
When ordering Lift-off Hinges, please state hand viewed from outside of door.



2421, 2542,
8620, 8621



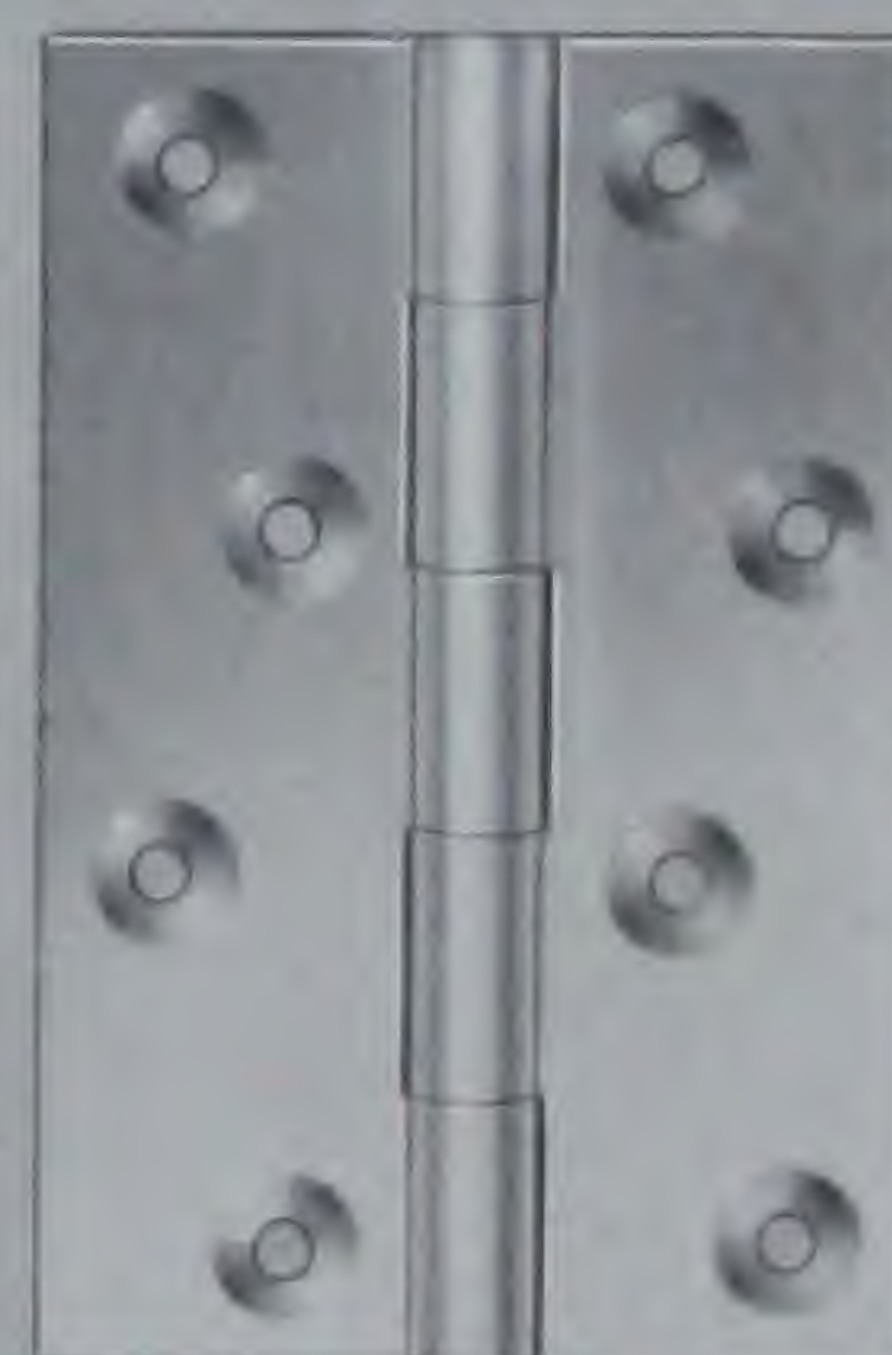
8622, 8623,
8624, 8625



8632



5253, 5254,
8626, 8627



5250, 5251



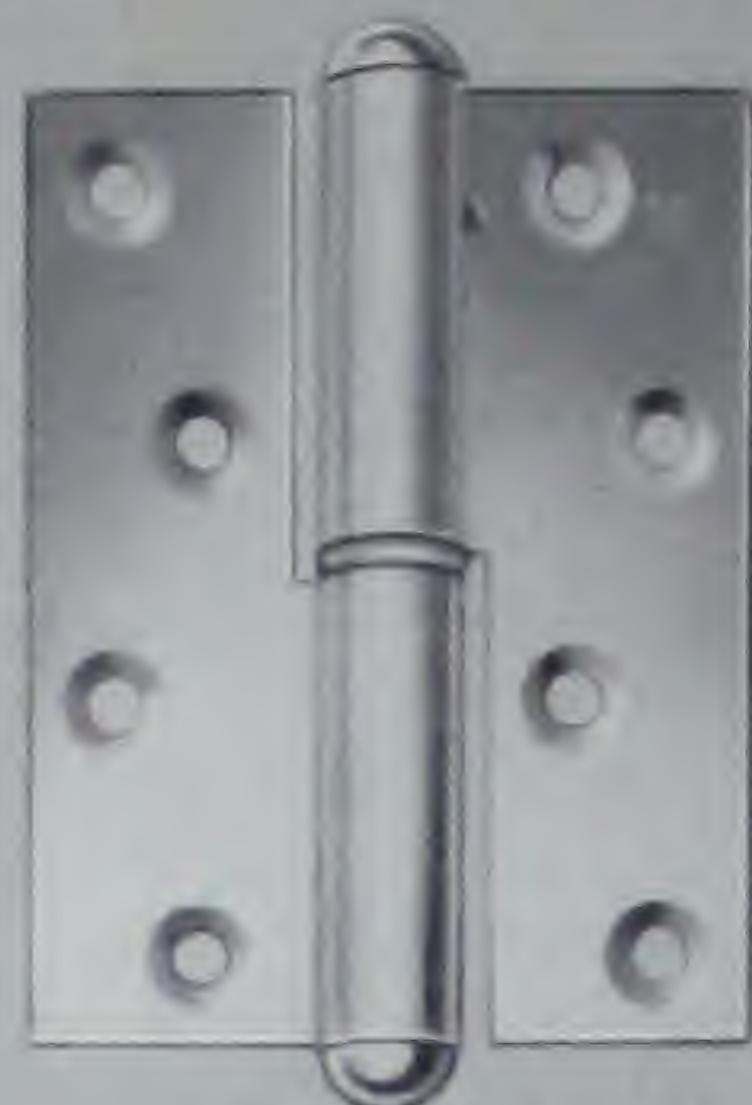
8630, 8631



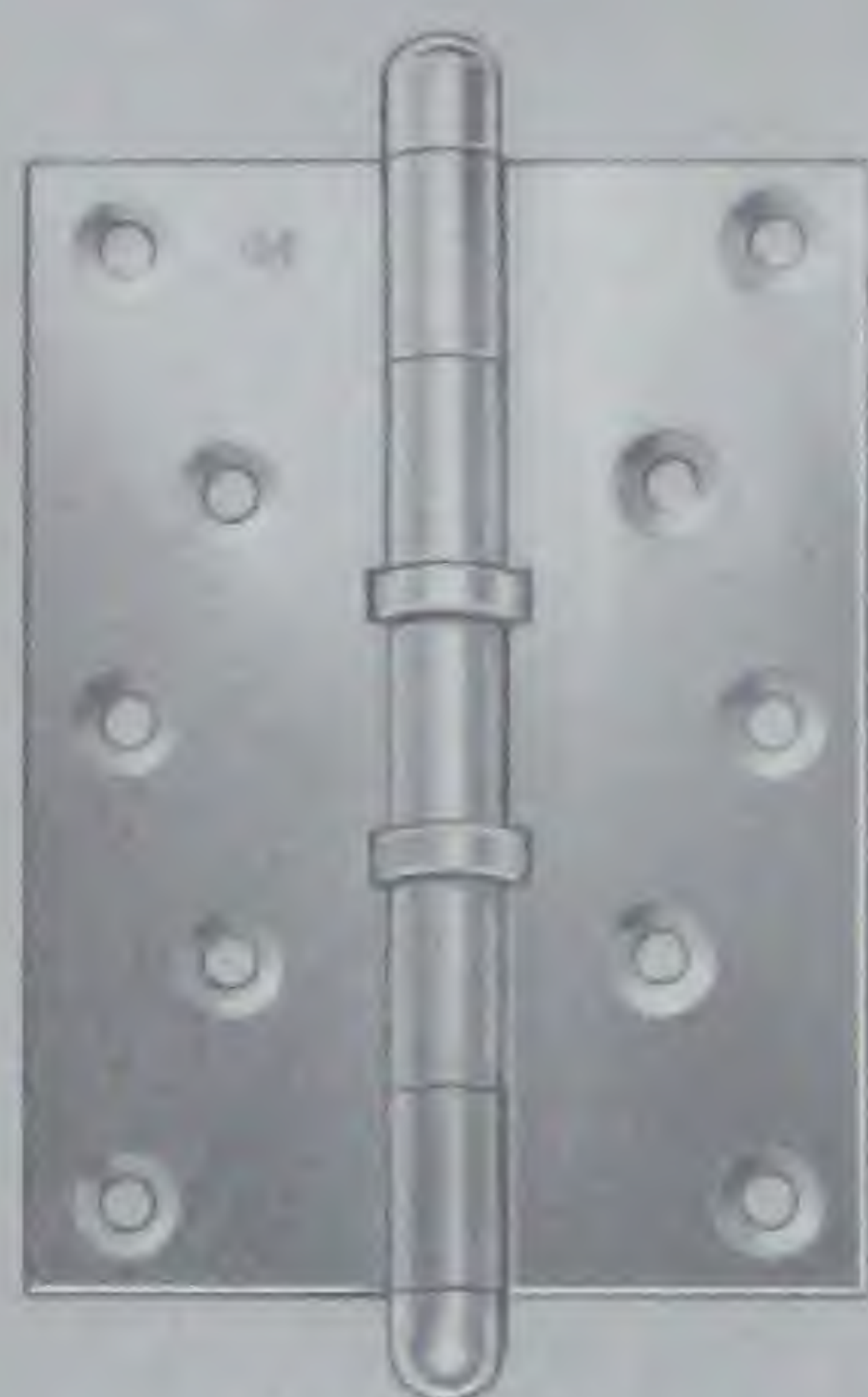
8628, 8629



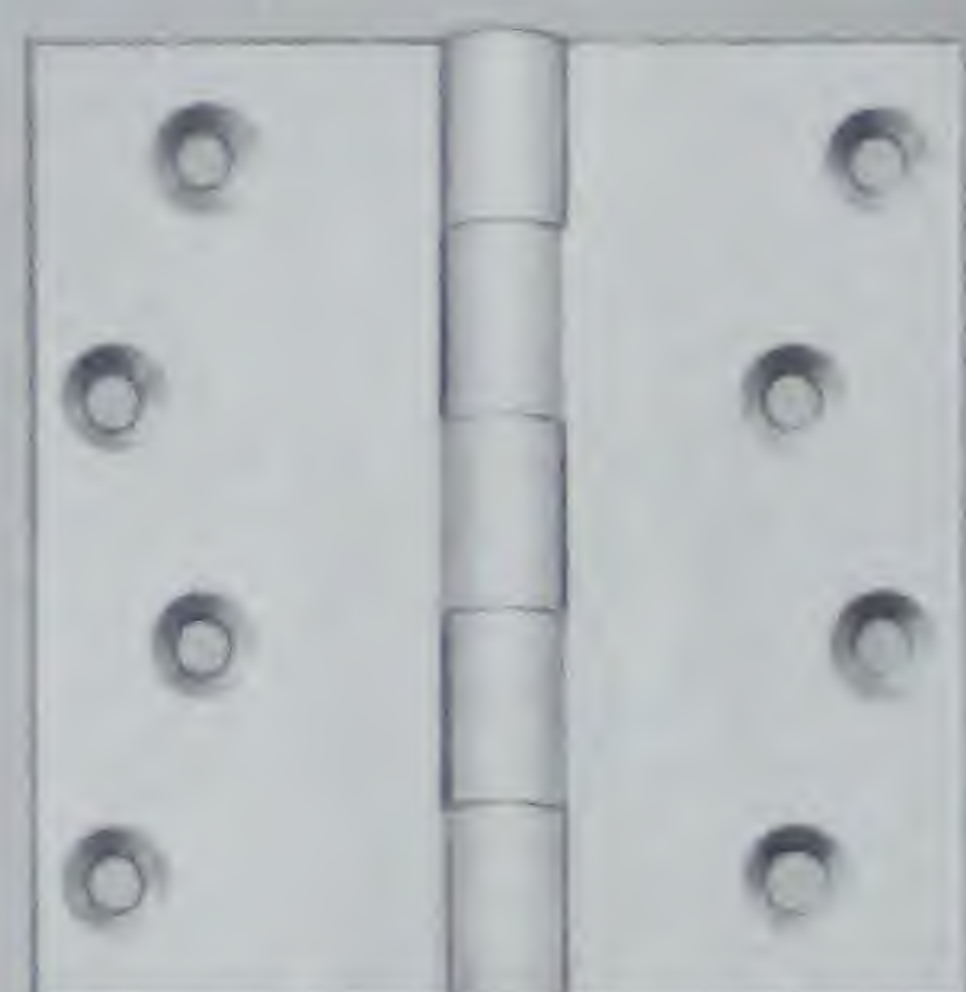
8633 & 8634



8635, 8636
& 8637



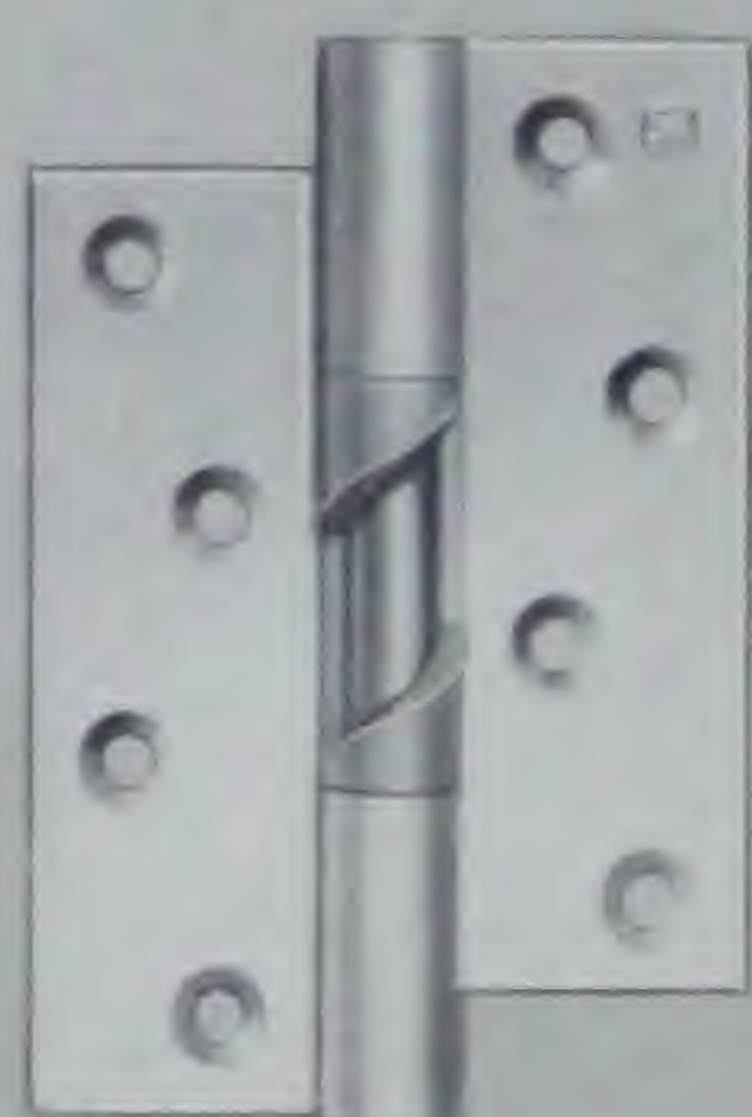
8638 & 8639



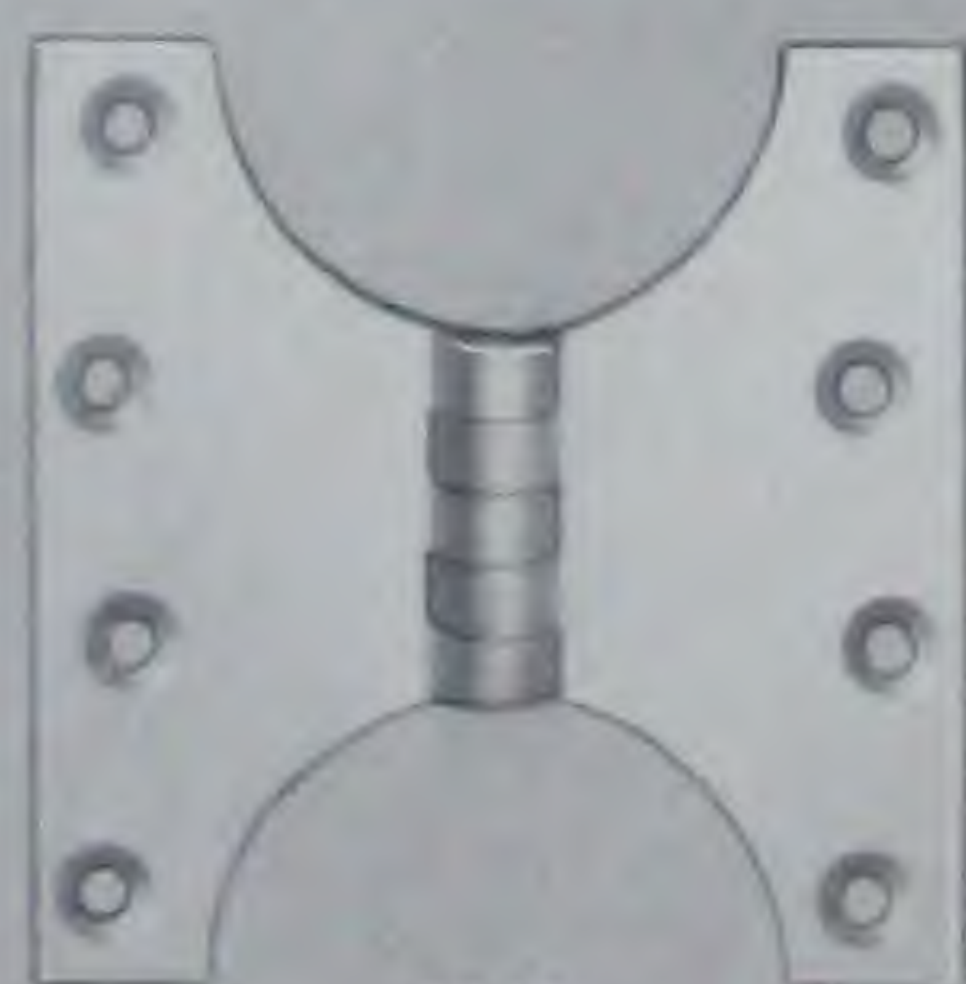
8640 & 8641



8644 & 8645



2856



8646



2829, 8647
& 8648



8649

HINGES

BALL-BEARING OIL BATH LIFT-OFF HINGES.

		Length × width open: 3" × 2½"	4" × 3"	4" × 3½"
8633	B.M.A. Finish on Brass	18/6	—	26/6 pair
8634	Satin C.P. on Brass ..	21/-	—	30/6 "
8635	Satin Brass	—	26/6	— "
8636	B.M.A. Finish on Brass	—	28/6	— "
8637	Satin C.P. on Brass ..	—	33/6	— "

BALL-BEARING HINGES, with Removable Phosphor Bronze Pin.

		Length: 3½"	4"	4½"	5"	6"
		Width open: 3"	3"	3½"	3¾"	5"
8638	B.M.A. Finish on Brass	21/-	23/6	26/6	36/-	56/- pair
8639	Satin C.P. on Brass ..	22/-	24/6	27/6	37/6	58/- "

PROJECTION HINGES, BRASS.

		Length × width open: 3" × 3"	4" × 4"
8640	With Brass Pins	6/9	13/6 pair
8641	With Steel Washers and Pins ..	8/-	15/- "

SCREW RISING HINGES, to close door. (Not illustrated.)

		Length × width open: 3" × 2¾"	4" × 3"
8642	B.M.A. Finish on Brass	43/-	60/- pair
8643	Satin C.P. on Brass	47/-	65/- "

SCREW FALLING HINGES, to keep door open.

		Length × width open: 3" × 2¾"	4" × 3"
8644	B.M.A. Finish on Brass	43/-	60/- pair
8645	Satin C.P. on Brass	47/-	65/- "

RISING HINGES, with Steel Lining and Pin.

		Length × width open: 3" × 2½"	4" × 3"
2856	Brass	46/-	55/- pair

PARLIAMENT HINGES, with Brass Pin.

		Length × width open: 4" × 4"	4" × 5"	4" × 6"
		Width open between flanges: 2½"	3"	4"
8646	Brass	17/6	20/-	23/6 pair

COUNTER FLAP HINGES, with Brass Pin.

		Length × width open: 1½" × 4"	1½" × 4½"
2829	Brass	6/9	9/9 pair
8647	B.M.A. on Polished Brass ..	9/-	13/6 "
8648	Satin C.P. on Brass	9/6	14/6 "

BACKFLAP HINGES, with Stainless Steel Pin.

For Horizontal and Vertical Pivot E.J.M.A. Windows.

		Length × width open: 1" × 6"
8649	Brass	6/6 pair

Also available in Sherardized Steel or Aluminium.

When ordering Rising, Falling or Lift-off Hinges, please state hand viewed from outside of door.

DETAINDER LOCKS

"UNION" BUTTER'S SYSTEM—"GOLD" SERIES

With four Detainers, 140 Standard Differs.

(For explanatory notes, see page 113.)

General Specification:—

Steel Case, Brass Bolt(s), Brass bushed. Reversible easy action Latch bolt and $\frac{1}{4}$ " Follower (2297, 2097 and 2397 only). Forend and Striking plate in Brass as standard. Other finishes available—see "Extras" at foot of page.

N.B. All locks on this page have the same type of key, and can be supplied, if required, in a Master-keyed suite, or with keys to pass. See "Extras" below.

- 2297 Mortice Lock, $2\frac{1}{2}$ " or 3" \times 4 $\frac{1}{2}$ " \times $\frac{1}{2}$ ".
With one Key .. 35/9 each
Also available in 2", 3 $\frac{1}{2}$ " or 4"—Prices on application. When fitted with 8mm. Follower, 2297 Locks are suitable for Unsprung Lever Furniture.
- 2097 Mortice Lock, 6" \times 3" \times $\frac{1}{2}$ ". With one Key 35/9 each
- 2197 Mortice Dead Lock, $2\frac{1}{2}$ " or 3" \times 4 $\frac{1}{2}$ " \times $\frac{1}{2}$ ". Bolt reinforced with steel rods.
With two Keys .. 35/3 each
- 2397 Mortice Night Latch, 3" \times 4 $\frac{1}{2}$ " \times $\frac{1}{2}$ ".
With two Keys .. 91/- each
Operation:—From outside by key, from inside by knob or lever handle. Can be deadlocked by key. Buttons in forend to hold bolt in and to release.
- 2497 Mortice Sliding Door Lock, 3" \times 4 $\frac{1}{2}$ " \times $\frac{1}{2}$ ". With Expanding Claw Bolt. Locking and unlocking by key.
With one Key .. 48/- each

Backset Details:—

$2\frac{1}{2}$ " Locks—Backset 1 $\frac{1}{2}$ ". 3" Locks—Backset 2 $\frac{1}{2}$ ".

2097 \times 6" Locks—Keyhole backset 2".

Follower backset 5".

Forends:—All 6" \times 1", except 2097, which is 4 $\frac{1}{2}$ " \times 1".

EXTRAS

B.M.A. or Satin C.P. Forend and Striking Plate 1/8 per lock
8mm. Follower (2297 only) .. 10d. ..

Roller Bolt instead of Bevelled Bolt (2297, 2097 and 2397 only) .. 6/9 per lock

Locks to pass the same key .. 1/1 ..

Locks to differ under Master Key .. 5/9 ..

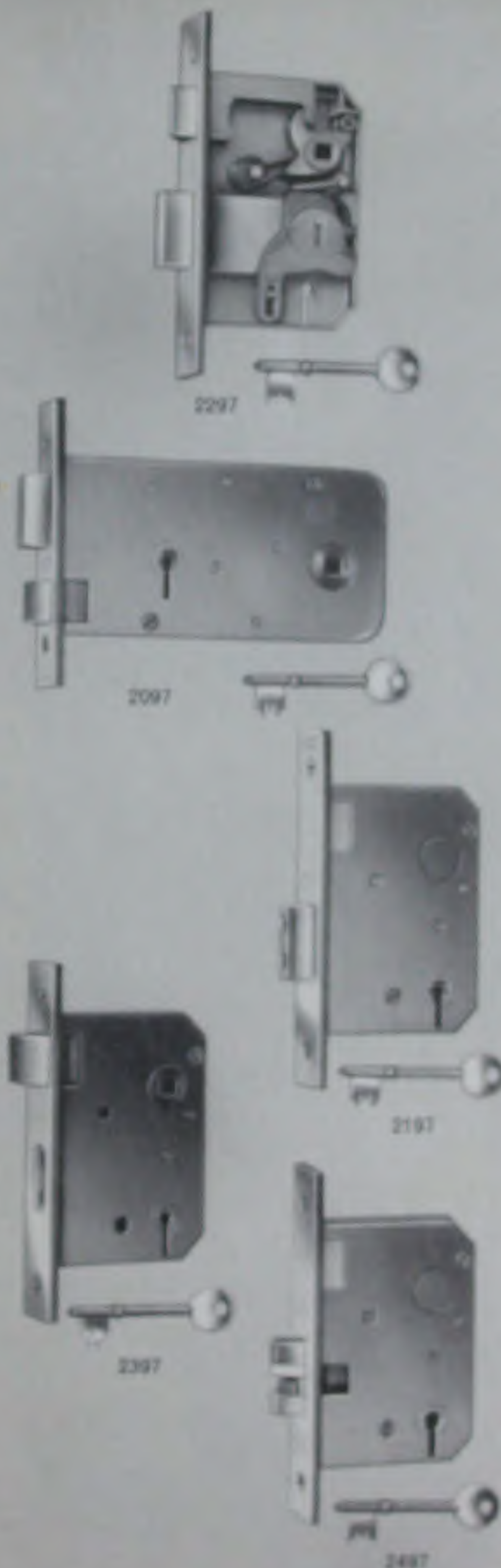
" " " " Sub- and Grand Master Key .. 7/6 per lock

KEYS

Master or Sub-Master 9/9 each. Grand Master 18/3 each

Extra or Servant Keys .. 2/6 ..

For separate Reversible Rebated Forends for above, see page 113.



LEVER LOCKS

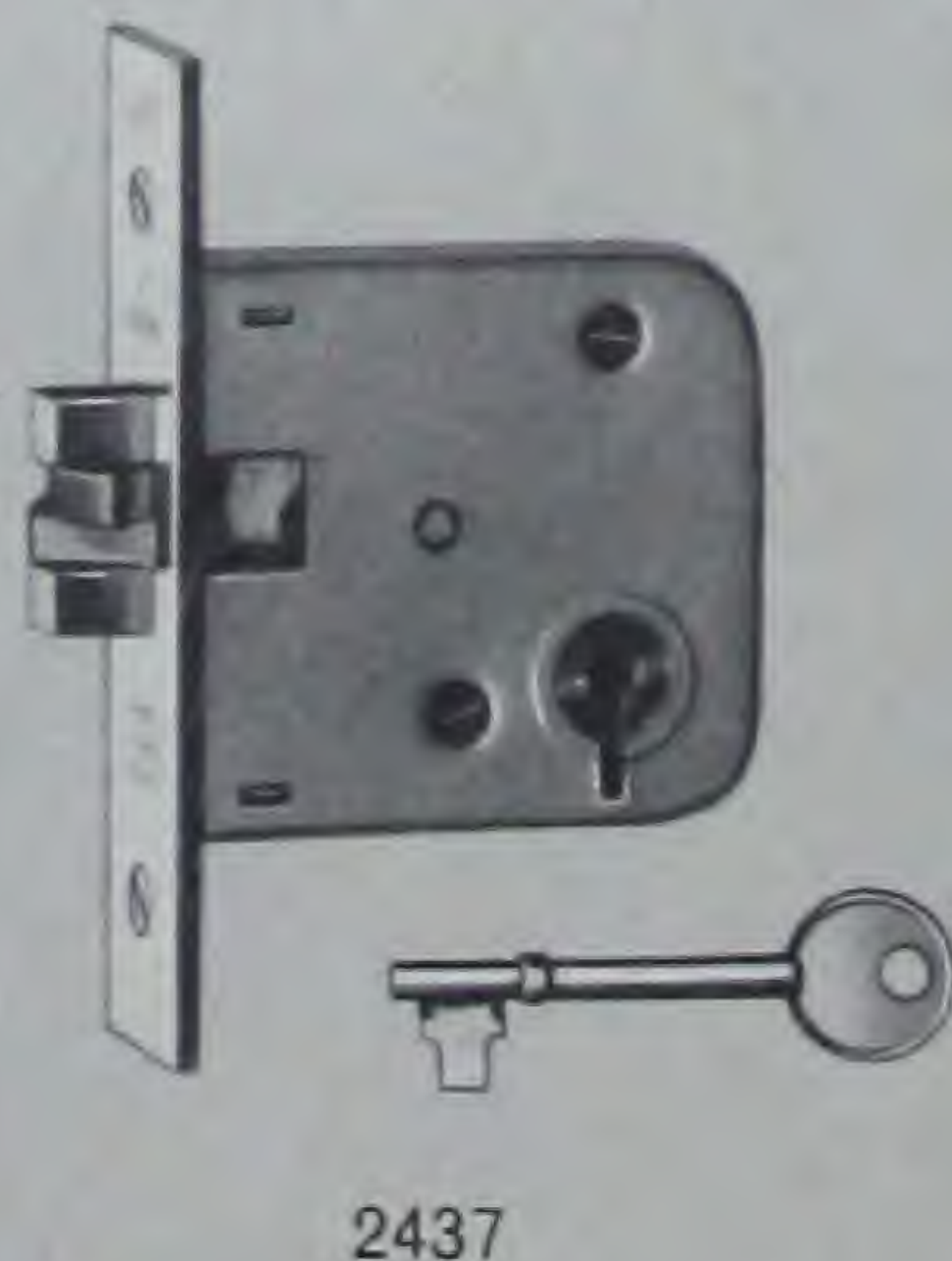
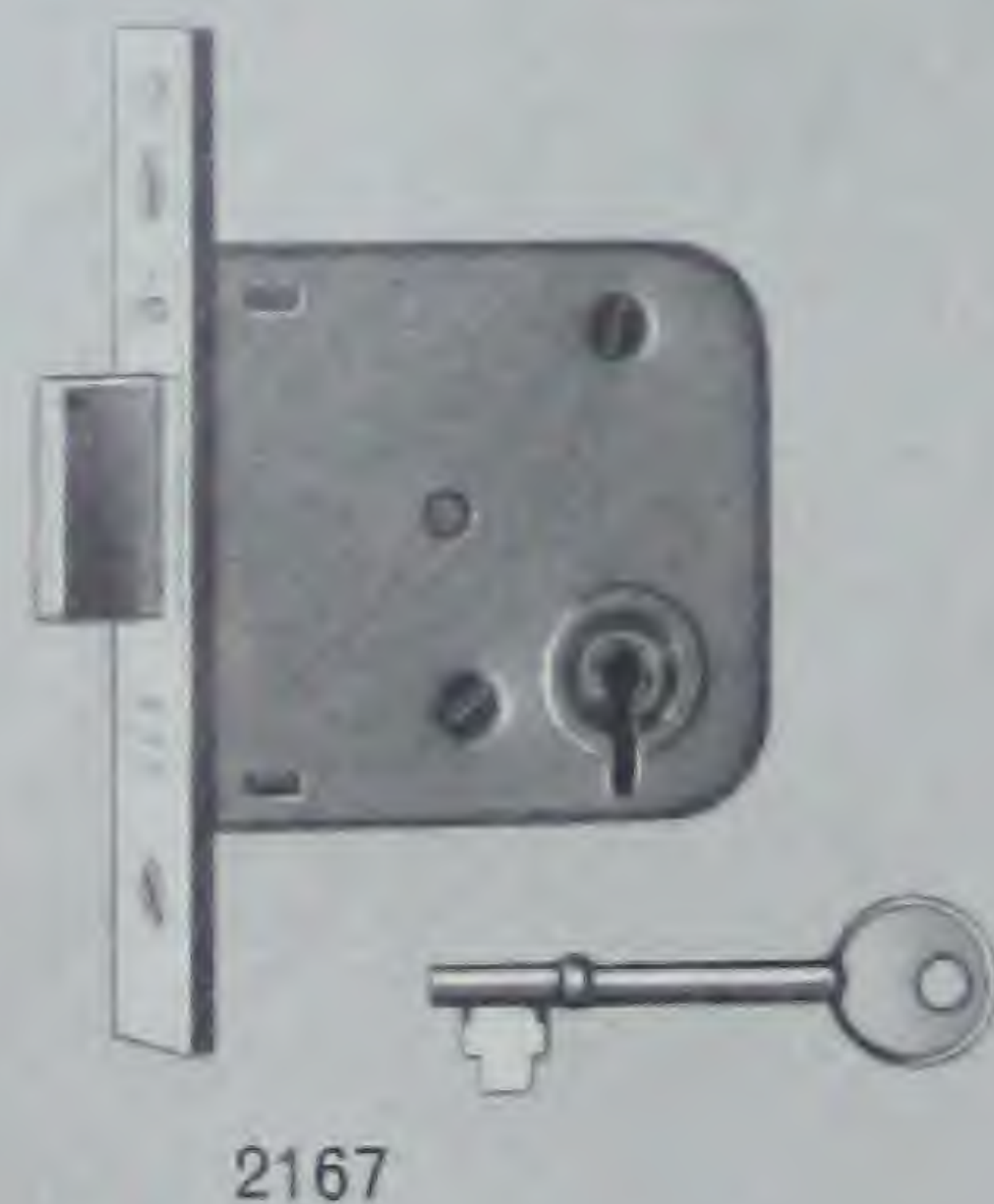
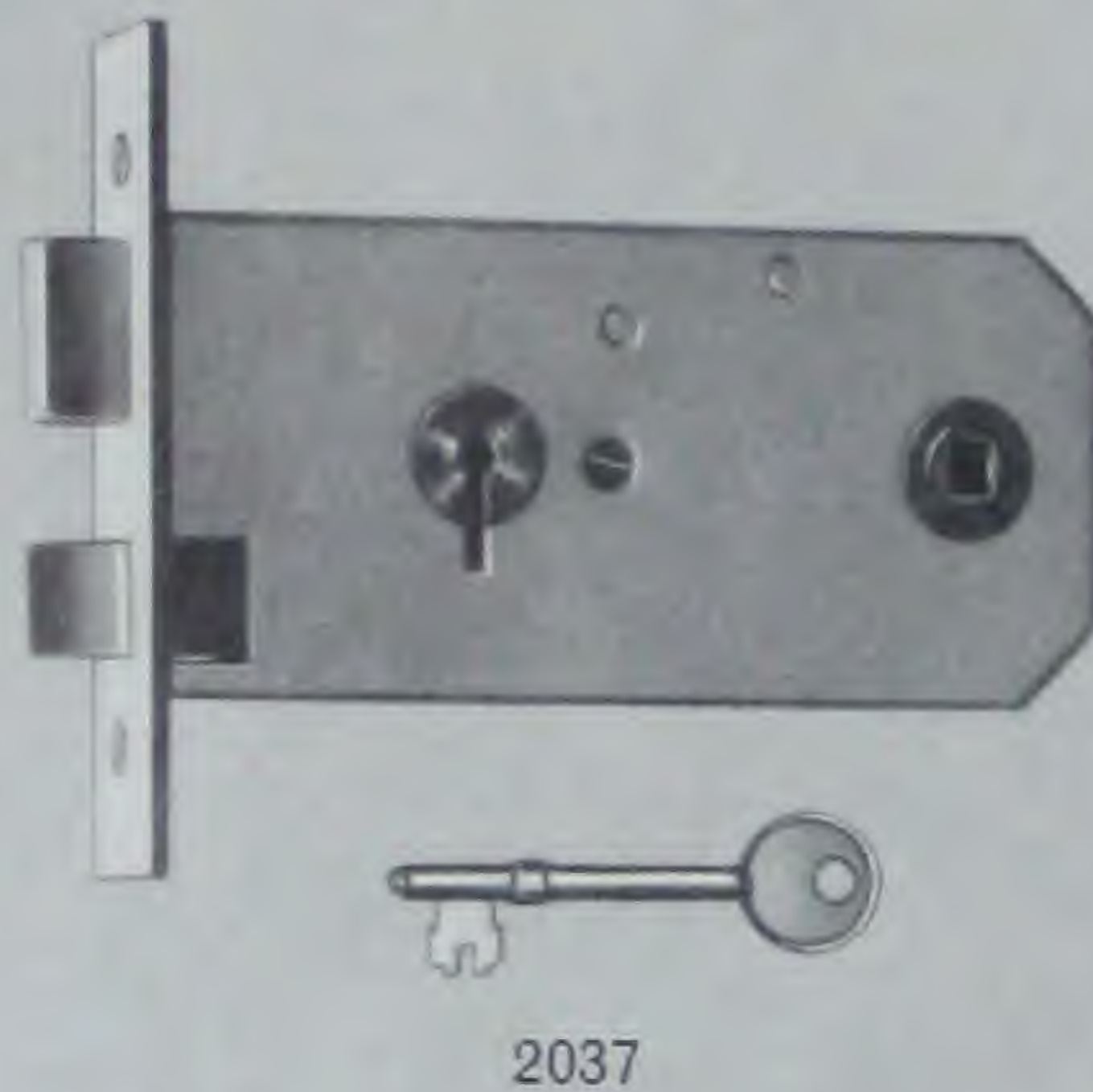
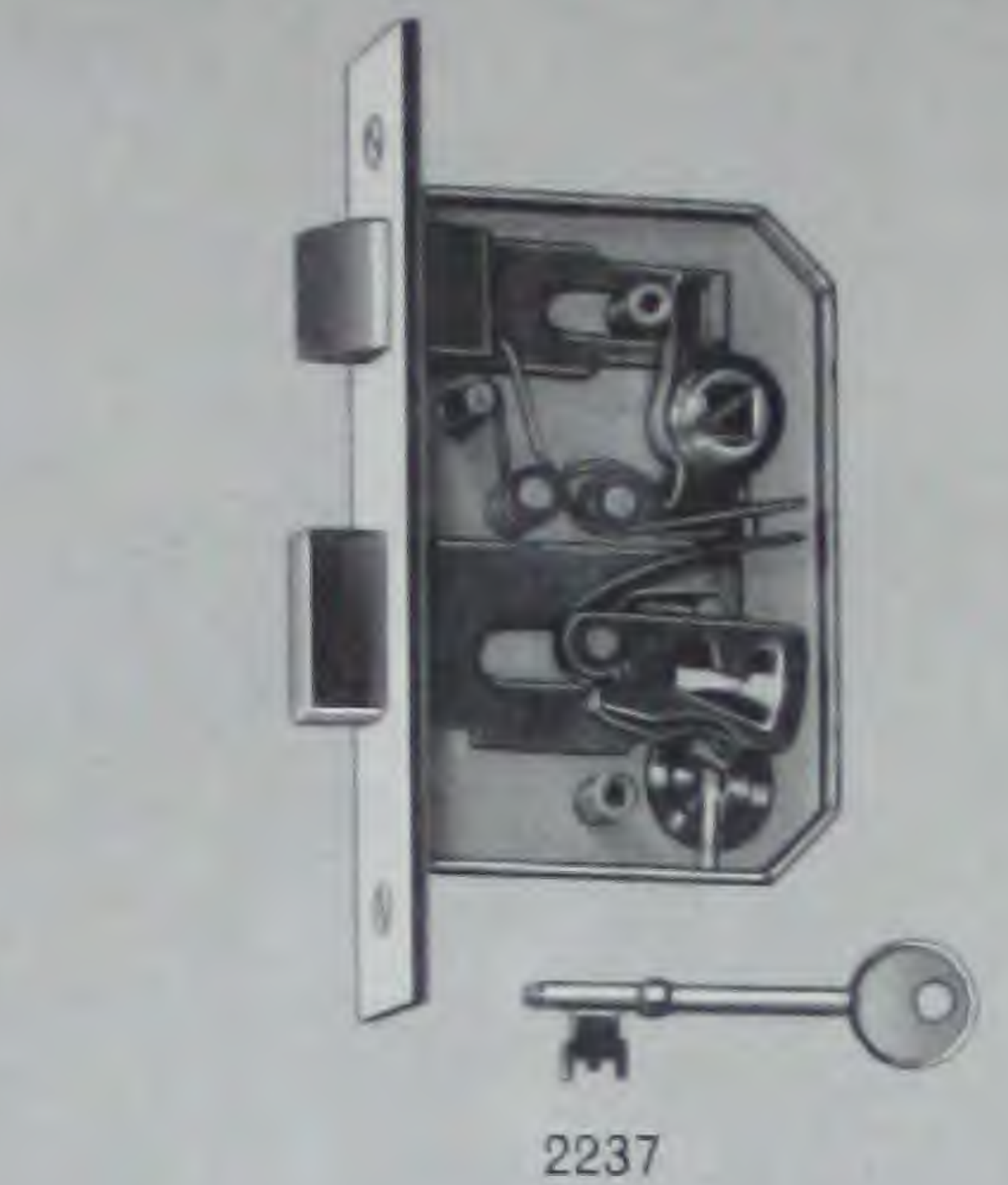
"UNION"— "SILVER" SERIES. BUSHED PATTERNS.

With three Levers, 72 Standard Differs.

General Specification:—

Steel Case, Brass Bolt(s), Brass bushed. Reversible easy action Latch bolt and $\frac{5}{16}$ " Follower (2237 and 2037 only). Forend and Striking plate in Brass as standard. Other finishes available—see "Extras" at foot of page.

N.B.—All locks on this page have the same type of key, and can be supplied, if required, in a Master-keyed suite, or with keys to pass. See "Extras" below.



2237 Mortice Lock, $2\frac{1}{2}$ " or 3 " \times $4\frac{1}{4}$ " \times $\frac{9}{16}$ ". With one Key 17/6 each
Also available in 2", $3\frac{1}{2}$ " or 4"—Prices on application.
When fitted with 8mm. Follower, 2237 Locks are suitable for Unsprung Lever Furniture.

2037 Mortice Lock, 5" or 6" \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ". With one Key 17/6 each

2167 Mortice Dead Lock, $2\frac{1}{2}$ " or 3 " \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ". With two Keys
14/9 each

2437 Mortice Sliding Door Lock, 3 " \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ".
Locking and unlocking by key. With one Key 19/- each

Backset Details:—

$2\frac{1}{2}$ " Locks—Backset $1\frac{3}{4}$ ". 3" Locks—Backset $2\frac{1}{4}$ ".

2037×6 " Locks—Keyhole backset 2", Follower backset 5".

Forends:

All $4\frac{3}{4}$ " \times 1", except 2237, which is 6" \times 1".

EXTRAS

B.M.A. or Satin C.P. Forend and Striking Plate	..	1/8 per lock
8mm. Follower (2237 only)	..	10d. " "
Roller Bolt instead of Bevelled Bolt (2237 and 2037 only)	..	6/9 per lock
Locks to pass the same key	..	1/1 " "
Locks to differ under Master Key	..	5/9 " "
" " " " Sub- and Grand Master Key	..	7/6 " "

KEYS

Master or Sub-Master	9/9 each.	Grand Master	16/3 each
Extra or Servant Keys	..	..	2/- "

For separate Reversible Rebated Forends for above,
see page 113.

REVERSIBLE REBATED FOREND SETS

FOR "UNION" THREE-LEVER AND BUTTER'S SYSTEM LOCKS
Suitable for $\frac{1}{2}$ " Rebates

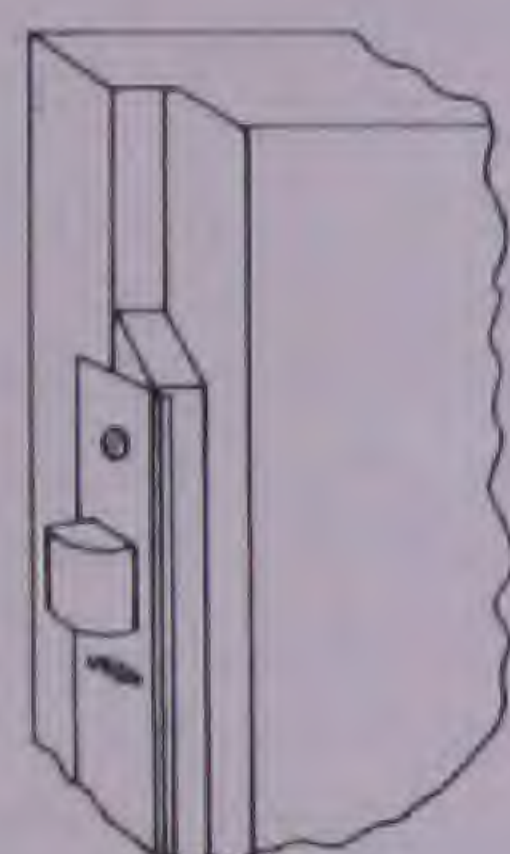


Fig. 1. Application to Door

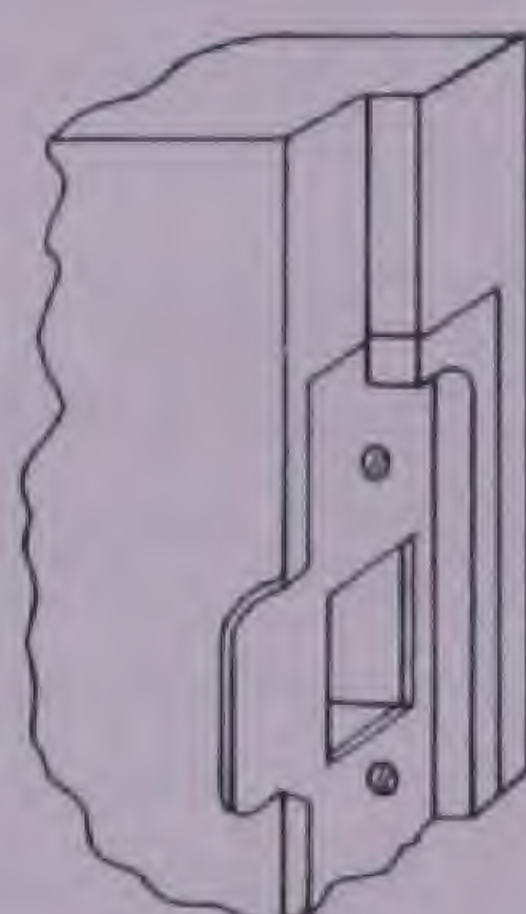


Fig. 2. Application to Door Frame



Fig. 3. Forend Strip separate from Lock



Fig. 4. Striking Plate and Rim

Each Forend Set consists of three pieces; a Forend Strip, a Striking Plate and a Rim.

The Forend Strip is screwed behind the flat forend of the lock to suit a left or right-hand rebate. (Fig. 1.)

The Striking Plate and Rim are fitted to suit the hand of the rebate and applied to the door frame. (Fig. 2.)

The following Table shows the reference number of Forend to be specified when ordering, according to pattern of lock it is required to convert.

For Butter's System Locks (page 111)	2297	2097	2197	2397	2497
Number of Forend required	2999	2909	2919	2930	2919
For Three-lever Locks (pages 112 and 114)	2237 or 2277	2037 or 2077	2167 or 2177	2437 or 2477	—
Number of Forend required	2979	2939	2969	2929	—

Reversible Rebated Forend (either pattern). Complete with Striking Plate and Rim.
Brass 13/- set, B.M.A. or Satin C.P. 16/- set

LOCK SECTION—EXPLANATORY NOTES

LOCK MECHANISMS

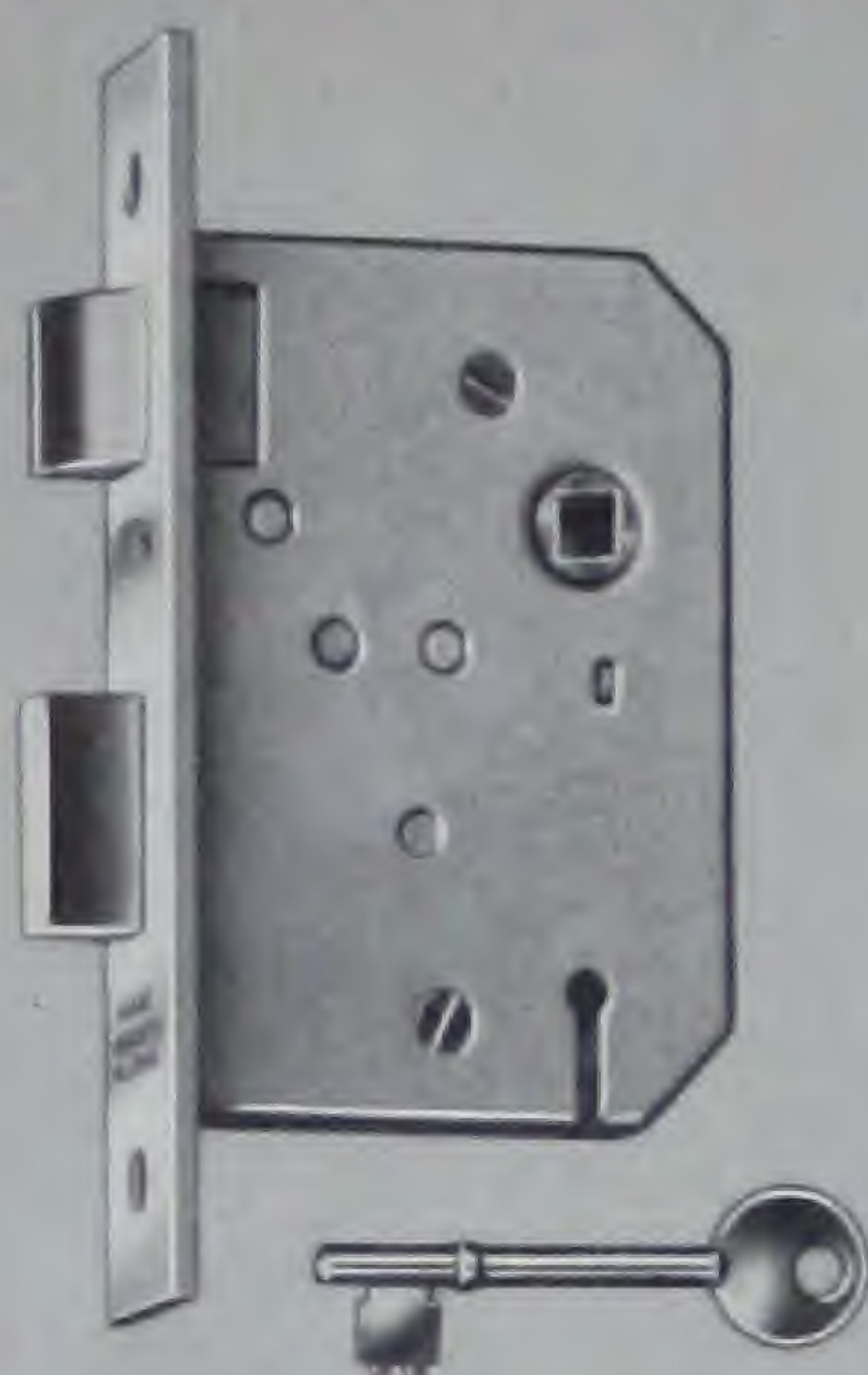
LEVER LOCKS—Differences are obtained by varying the lever "steps" or cuts in the key which are made to correspond with the differences in the distances the levers are required to be lifted to allow the bolt to be thrown or withdrawn. Obstructions in the keyway known as "wards" or "bullets" are sometimes introduced, especially in Master-keyed Suites, to increase the number of differs obtainable on levers only.

DETAINDER LOCKS—These Locks provide increased security, as a much larger number of differs are possible without wards than with comparable lever locks. In Master-keyed Suites, the Master Key lifts the detainers differently from the Servant Key, so that a Servant Key cannot be skeletoned to operate other locks as well as its own.

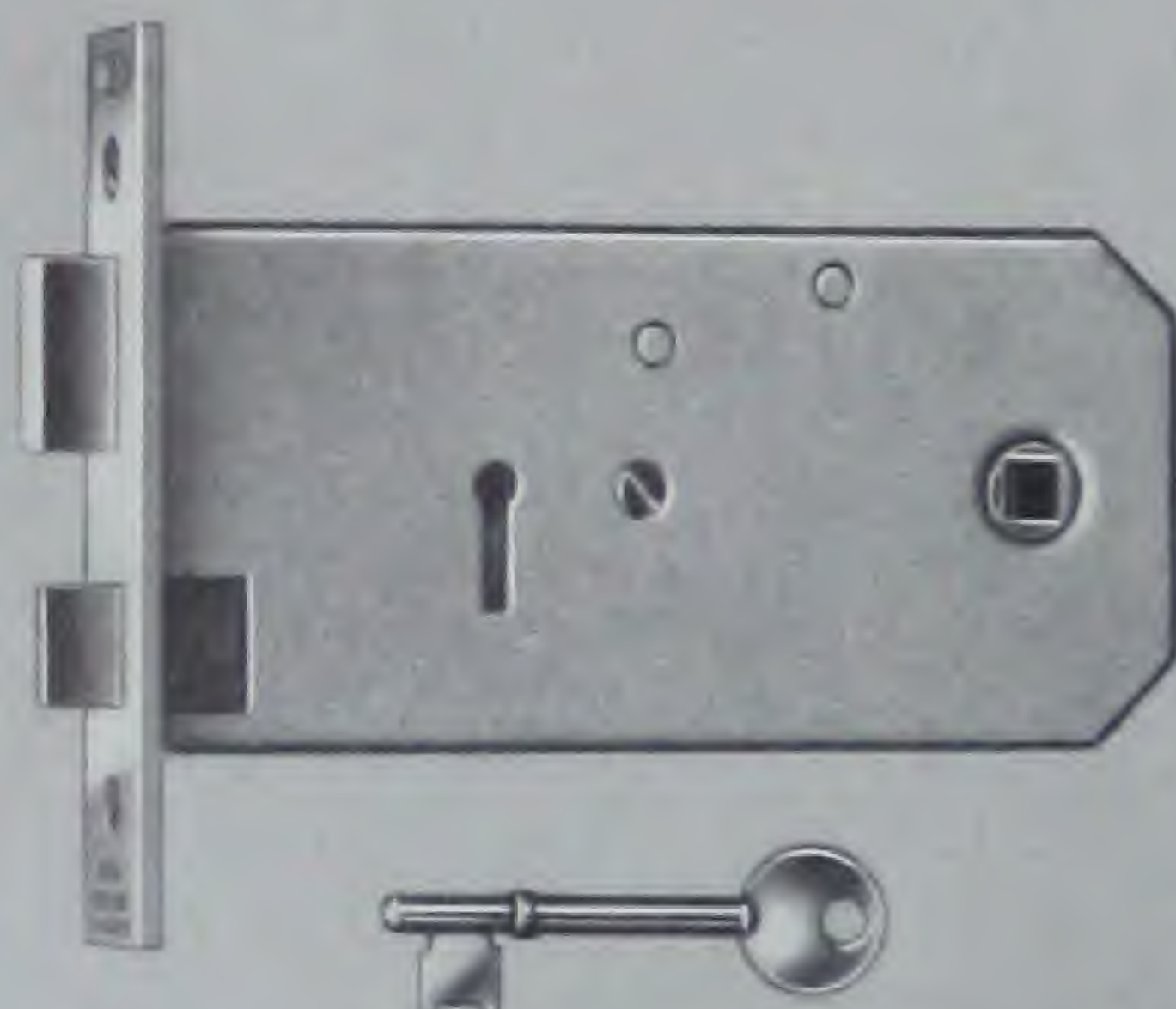
CYLINDER LOCKS AND LATCHES—The pin-tumbler mechanism provides an almost unlimited number of differs. In complex Master-keyed Suites, various key sections are also employed.

MASTER-KEYING

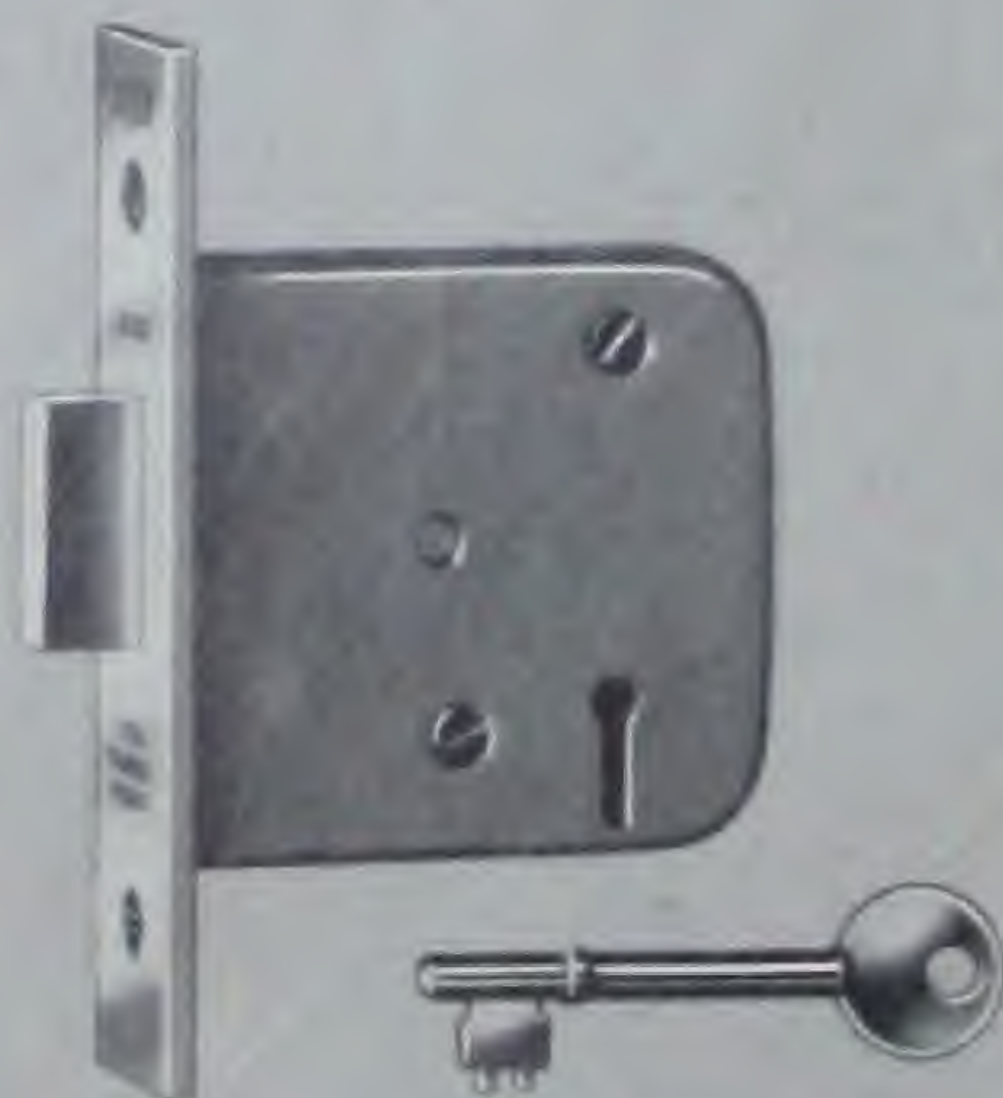
The simplest form of Master-keyed Suite is a number of locks all with different keys and with a Master Key that will open all locks in the Suite. The keys for the individual locks are termed "Servant Keys". Sub-master Keys may be introduced to control subsidiary groups of locks known as "Sub-suites", each comprising a number of locks with different Servant Keys, with a Grand Master Key to control all the locks. In this section, Detainer and Lever Locks and Cylinder Locks and Latches are grouped, with cross references where applicable, to simplify selection from the various types which can be master-keyed in the same suite.



2277



2077



2177



2477

LEVER LOCKS

"UNION"— "SILVER" SERIES. UNBUSHED PATTERNS.

With Three Levers. 36 Standard Differs.

Not Suitable for Master-keying.

General Specification:—

Steel Case, Brass Bolt(s). Reversible easy action Latch bolt and $\frac{5}{16}$ " Follower (2277 and 2077 only). Brass Forend and Striking plate as standard. (Other finishes available—see "Extras" at foot of page.)

- 2277 MORTICE LOCK. $2\frac{1}{2}$ " or 3" \times $4\frac{1}{4}$ " \times $\frac{9}{16}$ ".
 With one Key.. .. 13/9 each
 Also available in 2", $3\frac{1}{2}$ " or 4". Prices on application.
 When fitted with 8 mm. Follower, 2277 Locks are suitable for Unsprung Lever Furniture.
- 2077 MORTICE LOCK. 5" or 6" \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ".
 With one Key.. .. 15/9 each
- 2177 MORTICE DEAD LOCK. $2\frac{1}{2}$ " or 3" \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ".
 With two Keys 15/9 each
- 2477 MORTICE SLIDING DOOR LOCK. 3" \times $2\frac{3}{4}$ " \times $\frac{9}{16}$ ".
 With one Key.. .. 17/6 each
 Action:—Locking and unlocking by key.

Backset Details:—

$2\frac{1}{2}$ " Locks:—Backset $1\frac{3}{4}$ ". 3" Locks:—Backset $2\frac{1}{4}$ ".
 2077 \times 6" Locks:—Keyhole backset 2". Follower backset 5".

Forends:—

All $4\frac{3}{4}$ " \times 1", except 2277, which is 6" \times 1".

EXTRAS

B.M.A. or Satin C.P. Forend and Striking Plate ..	1/8 per lock
8 mm. Follower (2277 only)	10d. " "
Roller Bolt instead of Bevelled Bolt (2277 and 2077 only)	6/9 " "
Locks to pass the same key	1/1 " "

KEYS

Extra Keys 2/- each
 For separate Reversible Rebated Forends for above, see page 113.

LEVER LOCKS

"EREBUS"

With Patent Geared Motion to Follower.

General Specification:—

Steel Case, Brass Bolt(s), Brass bushed (except 8732 which has Brass bushed key-hole only). Reversible easy action Latch bolt and $\frac{5}{16}$ " Geared Motion Follower (8730, 8732 & 8733 only). Phosphor Bronze Springs. Forend and Striking plate in Brass as standard. (Other finishes available—see "Extras" at foot of page.)

7-LEVER. With 500 Standard Differs.

These 7-lever Locks have the advantage that a large number of differs are available on the levers alone, including Master-keyed suites, without the use of wards. Suitable for doors of $1\frac{7}{8}$ " minimum thickness.

- 8730 MORTICE LOCK. Case $3" \times 4\frac{1}{4}" \times \frac{13}{16}"$.
With one Key.. .. 68/- each
- 8731 MORTICE DEAD LOCK. Case $3" \times 3" \times \frac{13}{16}"$.
With two Keys 66/- "

4-LEVER. With 48 Standard Differs.

- 8732 MORTICE LOCK.
Case $2\frac{1}{2}" \times 4\frac{1}{4}" \times \frac{9}{16}"$. With one Key.. .. 27/3 each
Case $3" \times 4\frac{1}{4}" \times \frac{9}{16}"$. With one Key.. .. 26/6 "
- 8733 MORTICE LOCK. Case $6" \times 3\frac{1}{2}" \times \frac{9}{16}"$.
With one Key.. .. 40/6 each
- 8734 MORTICE DEAD LOCK. Case $2\frac{1}{2}"$ or $3" \times 3" \times \frac{9}{16}"$.
With two Keys 23/- each

Backset Details:—

$2\frac{1}{2}"$ Locks:—Backset $1\frac{3}{4}"$. 3" Locks:—Backset $2\frac{1}{4}"$.

8733 6" Lock:—Keyhole backset 2". Follower backset 5".

Forends:—

8730	8731	8732	8733	8734
$6\frac{3}{16}" \times 1\frac{3}{16}"$	$5\frac{5}{8}" \times 1\frac{3}{16}"$	$6\frac{3}{16}" \times 1"$	$5\frac{3}{4}" \times 1"$	$5\frac{1}{8}" \times 1"$

EXTRAS

- B.M.A. Forend and Striking Plate 2/6 per lock
Satin C.P. Forend and Striking Plate 5/3 " "
Nylon Follower in place of Brass (8732 and 8733 only)—

No extra charge.

- Roller bolt instead of Bevelled bolt (8732 and 8733 only) 5/9 per lock

Locks to pass the same key—No extra charge.

- Locks to differ under Master key*. 4-lever .. 7/6 " "

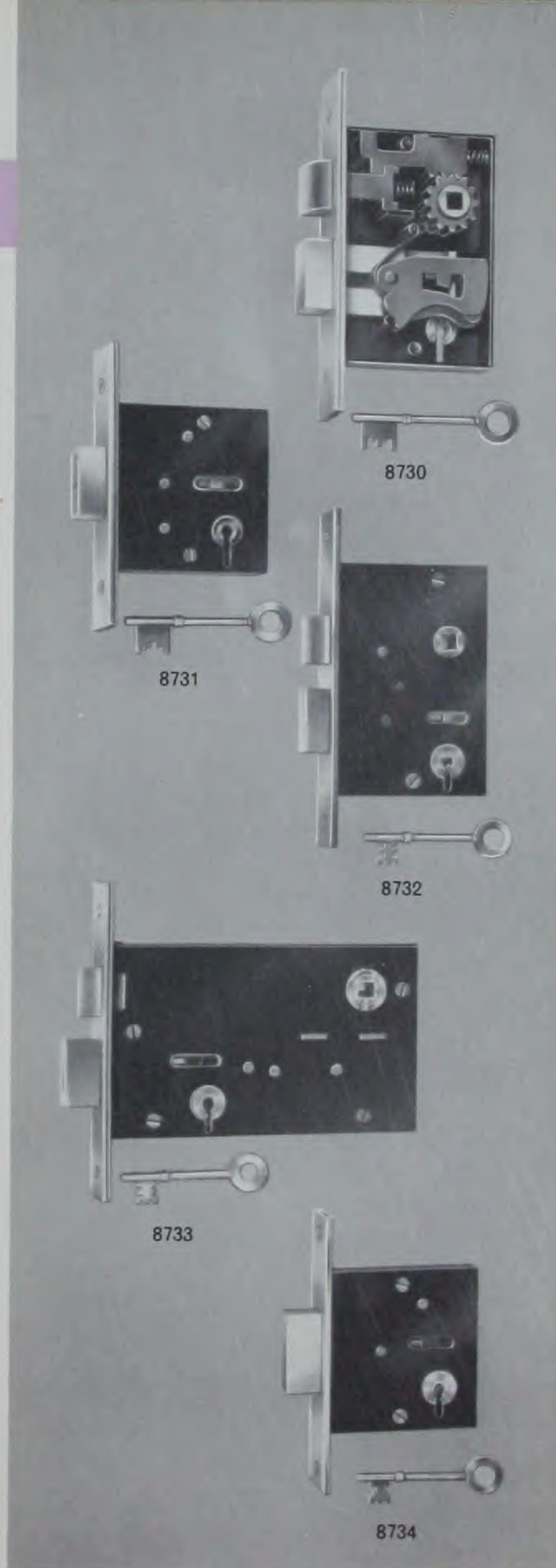
- " " " " Sub- and Grand Master
key*. 4-lever .. 7/6 " "

*7-lever locks at no extra charge.

Locks as above, but with Rebated Forends, are available at extra cost.

KEYS

- Master or Sub-Master 13/9 each. Grand Master 19/- each
Extra or Servant keys, 7-lever 8/6 "
Extra Keys, 4-lever 2/9 each; Servant keys, 4-lever 5/6 "



DETAINDER LOCKS

"CHUBB" SECURITY RANGE

With Five Detainers. 10,000 Standard Differs.

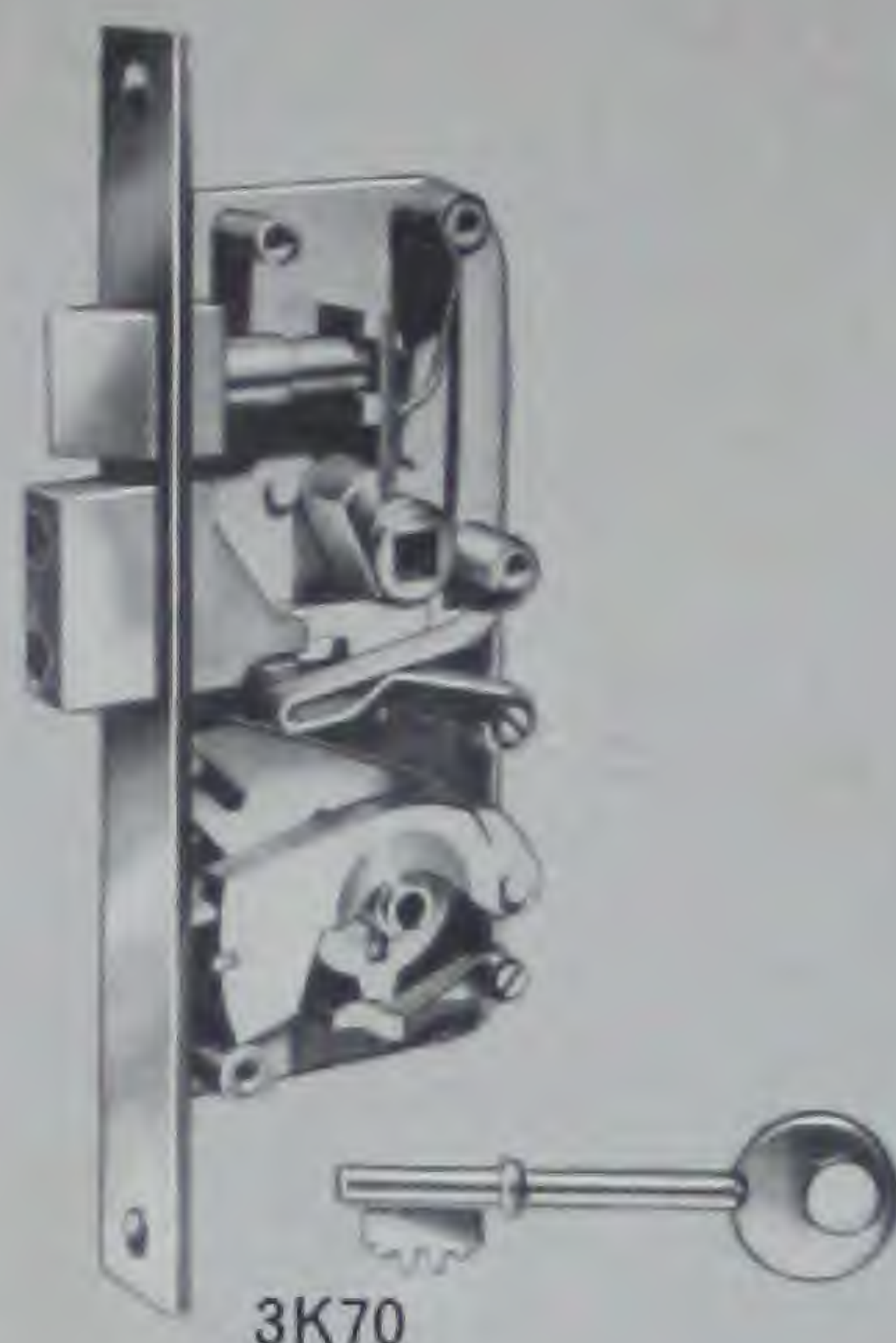
Three special security devices give protection against "picking".

(For Explanatory Notes on Detainer Locks, see page 113).

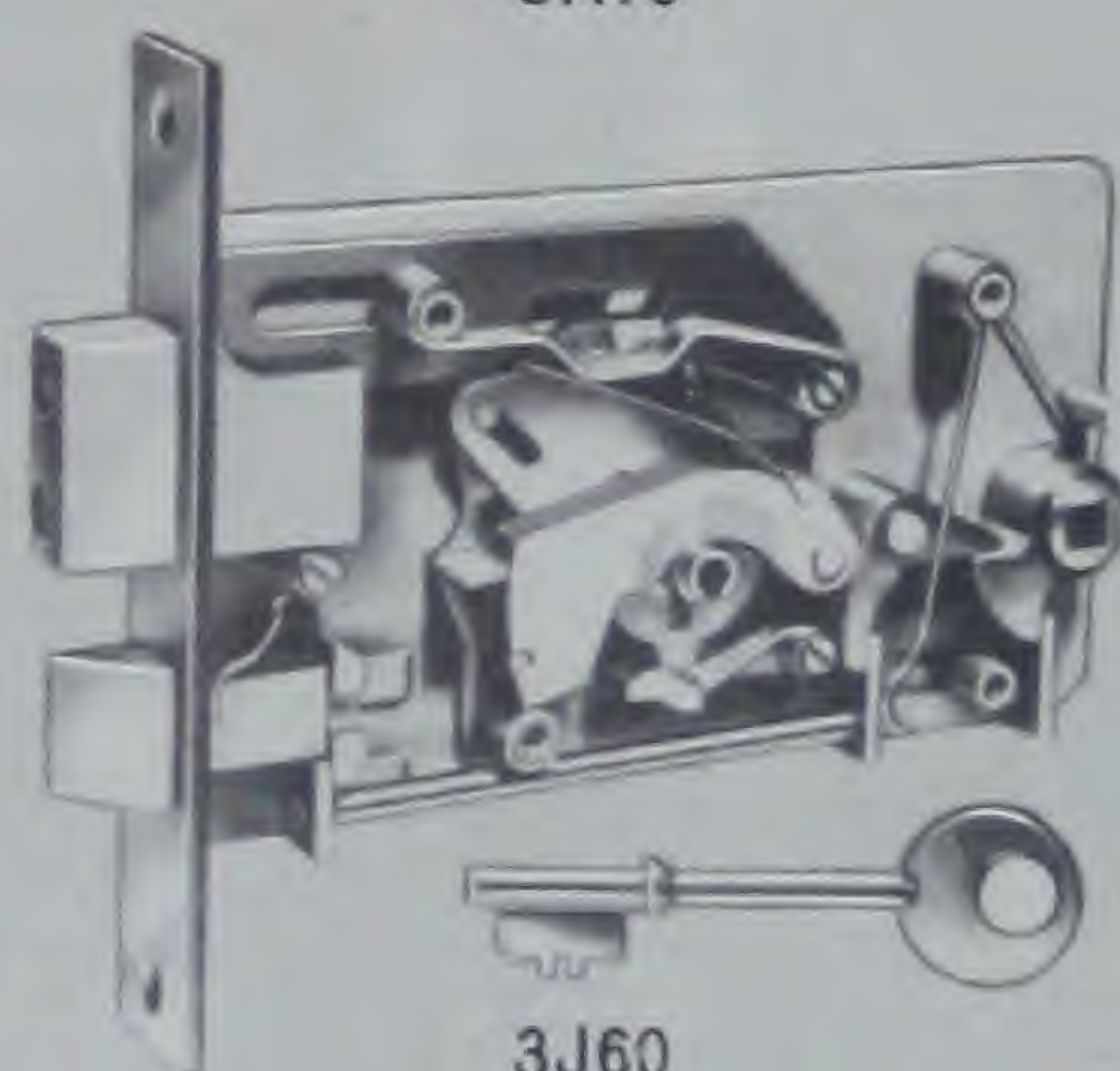
General Specification:—

Steel Case with Stainless steel Rim. Plated steel Reversible easy action Latch bolt and $\frac{5}{16}$ " Follower (except 3G110). Plated steel Dead bolt with steel Rollers (except 3R35). Nylon Curtain to keyway. Brass Forend in Light Bronze finish as standard. 7" Bronze Enamelled steel Box Locking plate. With fixing screws.

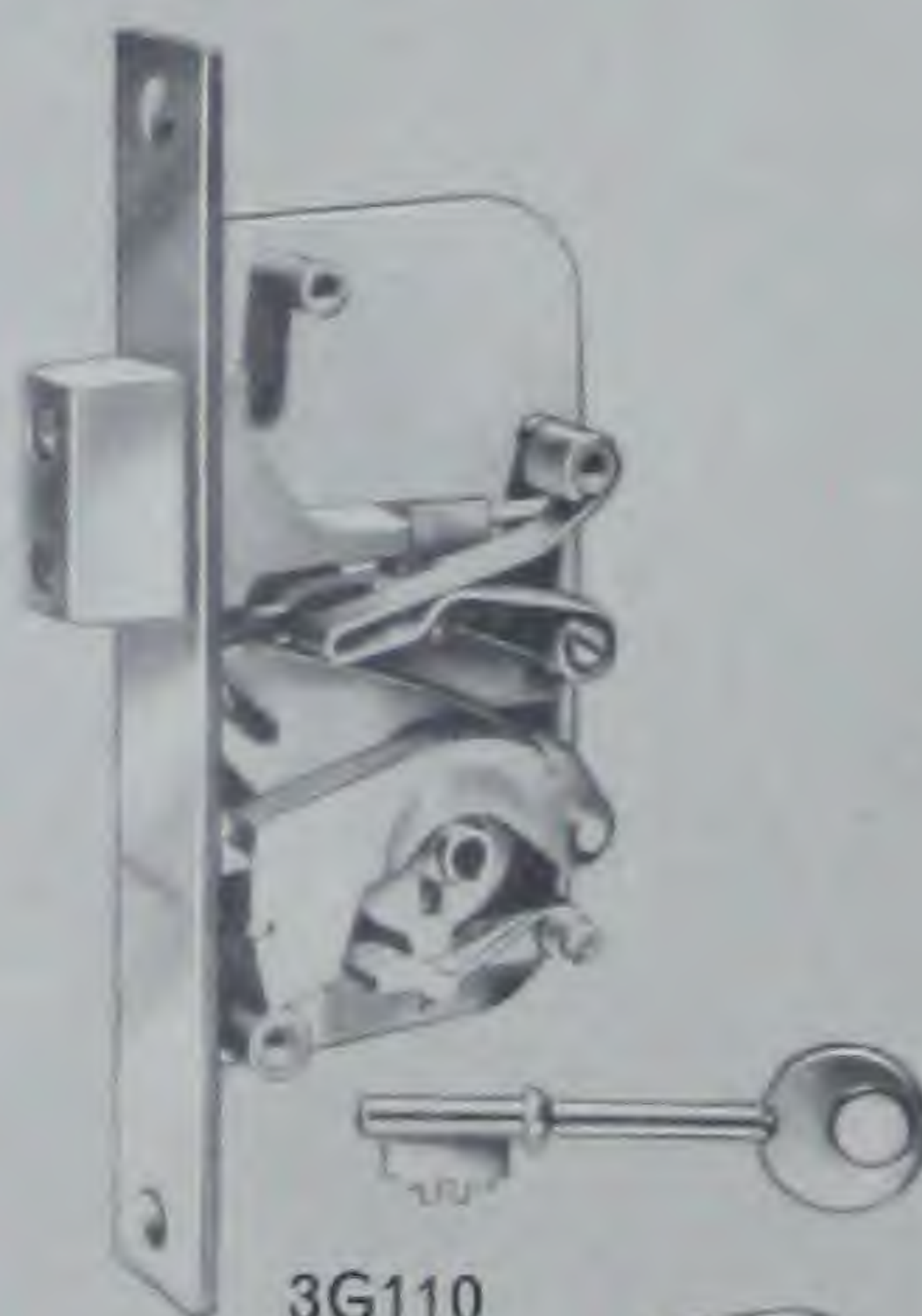
N.B.—All "Chubb" Security Range Locks on this page and page 117 have the same type of key, and can be supplied, if required, in a Master-keyed Suite, or with keys to pass. See "Extras" below.



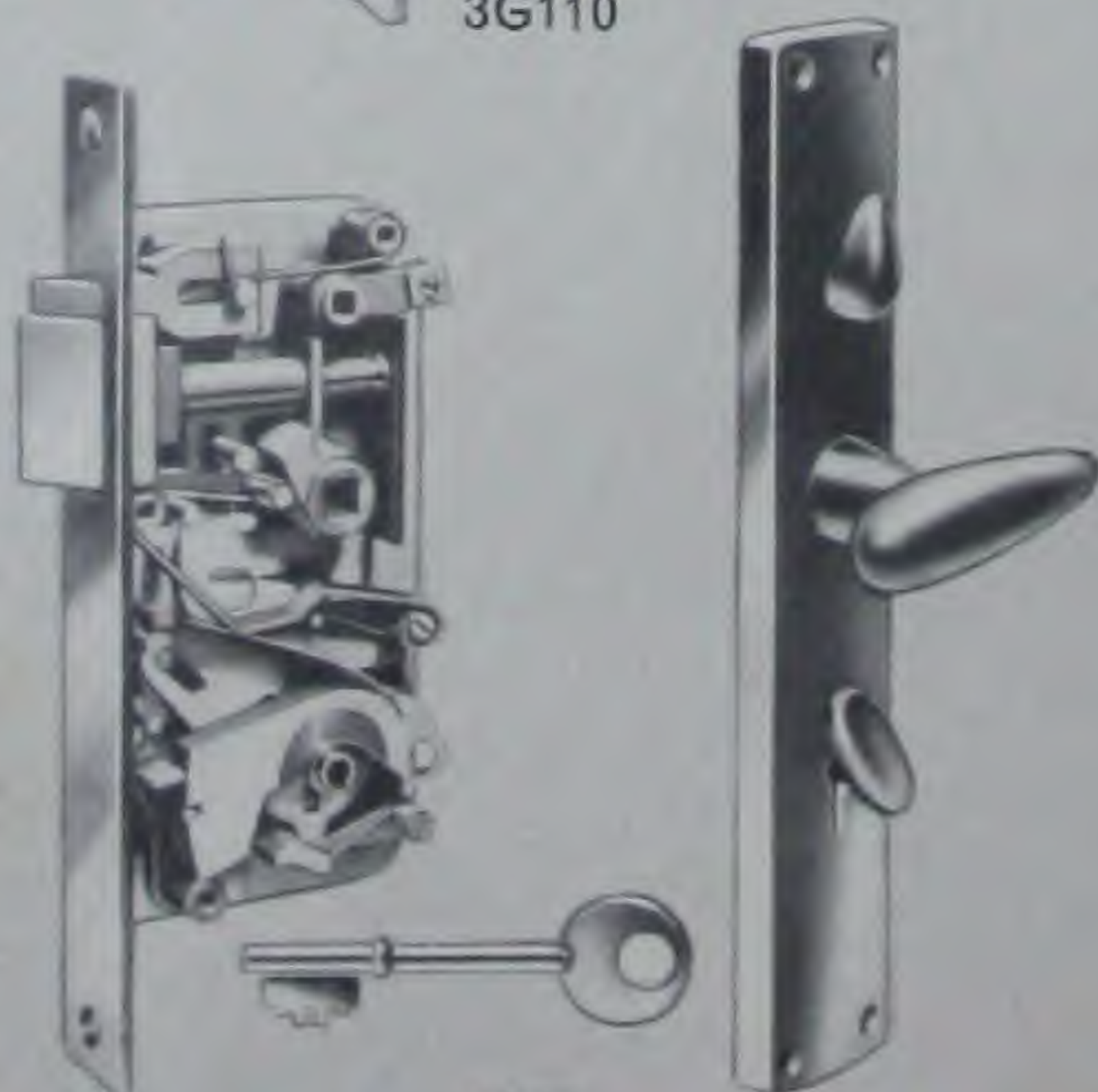
3K70



3J60



3G110



3R35

3K70 MORTICE LOCK. $2\frac{3}{4}" \times 5\frac{5}{8}" \times \frac{3}{4}"$.
With two Keys 47/6 each
Backset $1\frac{1}{16}"$. Forend $7\frac{5}{8}" \times 1"$.

3J60 MORTICE LOCK. $6\frac{3}{8}" \times 3\frac{5}{8}" \times \frac{3}{4}"$.
With two Keys 60/- each
Backsets:—Keyhole $3\frac{1}{4}"$, Follower $5\frac{7}{8}"$. Forend $5\frac{5}{8}" \times 1"$.

3G110 MORTICE DEAD LOCK. $2\frac{3}{4}" \times 4\frac{5}{8}" \times \frac{3}{4}"$.
Complete with Escutcheons in Real B.M.A. or Satin C.P.
With three Keys 43/- each
Backset $1\frac{1}{16}"$. Forend $6\frac{5}{8}" \times 1"$.

3R35 MORTICE NIGHT LATCH. $3" \times 5\frac{5}{8}" \times \frac{3}{4}"$.
Complete with Satin Silver Anodised Furniture on $8" \times 1\frac{1}{2}"$ plate (as illustrated) for inside, and Escutcheon for outside.
With three Keys 78/- each
Backset $1\frac{5}{16}"$. Forend $7\frac{5}{8}" \times 1"$.

Operation of 3R35:—From outside by key, from inside by handle. When closed, the auxiliary bolt is pressed on the locking plate, deadlocking the Latch bolt against end pressure. An extra turn of the key from outside or inside locks the handle on the inside and double locks the bolt. The Latch bolt may be held in by thumb turn.

The following SLIDING DOOR LOCKS are also available in the "Chubb" Security Range:—

3M50 $2\frac{3}{4}"$. With hook bolt. } Further details on application.
3M51 $2\frac{3}{4}"$. With claw bolt. }

EXTRAS

Satin C.P. Forend, with Locking Plate Enamelled to match 4/6 per lock
Locks to pass the same key 3/2 " "
Locks to differ under Master Key 10/6 " "
" " " " Sub- and Grand Master Key 10/6 " "
Rebated Locks, $\frac{1}{2}"$ or $\frac{5}{8}"$ 12/9 " "

KEYS

Master or Sub-Master 13/6 each Grand Master 13/6 each
Extra or Servant Keys 7/9 "

DETAINDER AND LEVER LOCKS

"CHUBB" SECURITY RANGE (continued)

3R36 HOTEL BEDROOM MORTICE LOCK.

Steel Case 3" x 5 $\frac{1}{8}$ " x 2". Plated steel Bolt with Nylon roller, $\frac{3}{16}$ " Follower. Light Bronzed Brass Forend and Striking plate as standard. Complete with Satin Silver Anodised Furniture on 8" x 1 $\frac{1}{2}$ " plate for inside (as illustrated on page 116 for 3R35, but without keyway) and Escutcheon for outside. With three Servant Keys (in a Grand Master-keyed Suite) -- -- -- 10/6 -- each Backset 1 $\frac{1}{2}$ ". Forend 7 $\frac{1}{8}$ " x 1".

Operation of 3R36.—From outside by key, from inside by handle. Thumb Turn deadlocks bolt for privacy, but door may be opened in an emergency by the Grand Master Key. This key will also deadlock bolt from outside.

8549 INDICATOR PLATE. To show whether bolt is deadlocked. Satin Silver Anodised -- -- -- extra 6/9 each

"CHUBB" FIVE-LEVER RANGE

250 Standard Differers.

Exclusive "Chubb" features include "Monitor" lever device, ensuring positive locking, and close-gated levers.

General Specification:—

Steel Case with P.V.C. Rim (except L8). Plated steel Dead bolt, Nylon easy action Reversible Latch bolt, $\frac{3}{16}$ " Nylon Follower (except L1). Stainless steel Forend and Silver Enamelled Striking plate. With fixing screws.

N.B.—All "Chubb" Five-lever Range Locks have the same type of key, and can be supplied, if required, in a Master-keyed suite, or with keys to pass. See "Extras" below.

- L2 MORTICE LOCK. 2 $\frac{1}{2}$ " or 3" x 4 $\frac{3}{8}$ " x $\frac{5}{8}$ ".
With two Keys -- -- -- 23/6 each
Backsets:—(2 $\frac{1}{2}$ ") 1 $\frac{1}{16}$ "; (3") 1 $\frac{5}{16}$ ". Forends 6 $\frac{3}{8}$ " x 1".
- L1 MORTICE DEAD LOCK. 2 $\frac{1}{2}$ " or 3" x 3" x $\frac{5}{8}$ ".
With two Keys -- -- -- 20/- each
Backsets:—(2 $\frac{1}{2}$ ") 1 $\frac{1}{16}$ "; (3") 1 $\frac{5}{16}$ ". Forends 5 $\frac{1}{2}$ " x 1".
- L8 MORTICE LATCH. Steel Case 3" x 1 $\frac{1}{2}$ " x $\frac{1}{2}$ ". 4/6 each
Backset 2 $\frac{3}{4}$ ". Forend 3" x $\frac{7}{8}$ ".

The "Chubb" Five-lever Range will also include the following:—

L3 MORTICE NIGHT LATCH. 2 $\frac{1}{2}$ " or 3" x 4 $\frac{3}{8}$ " x $\frac{5}{8}$ ".

L4 MORTICE LOCK. 6".

L5 MORTICE SLIDING DOOR LOCK. With Hook Bolt.

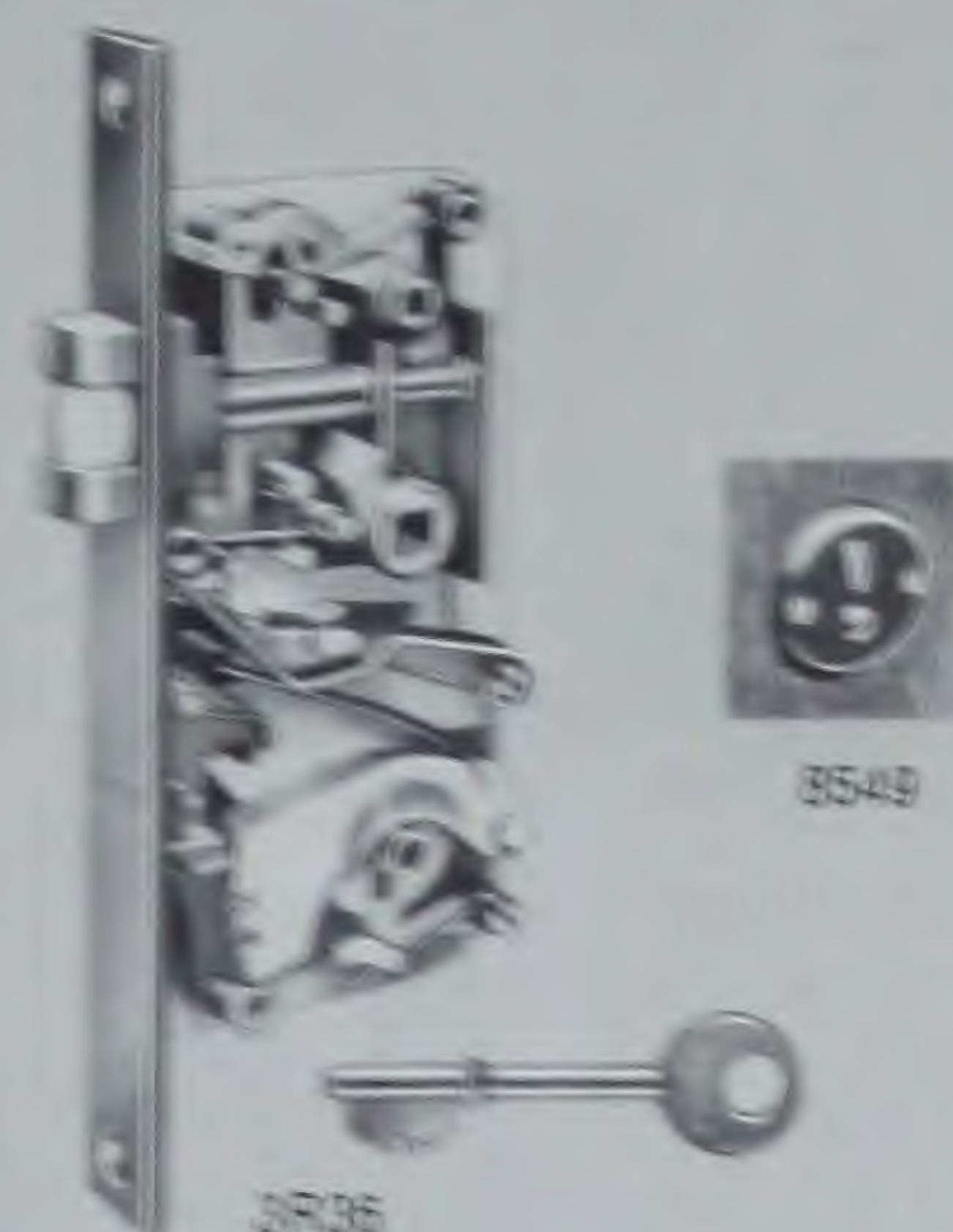
Fully descriptive literature sent on request.

EXTRAS

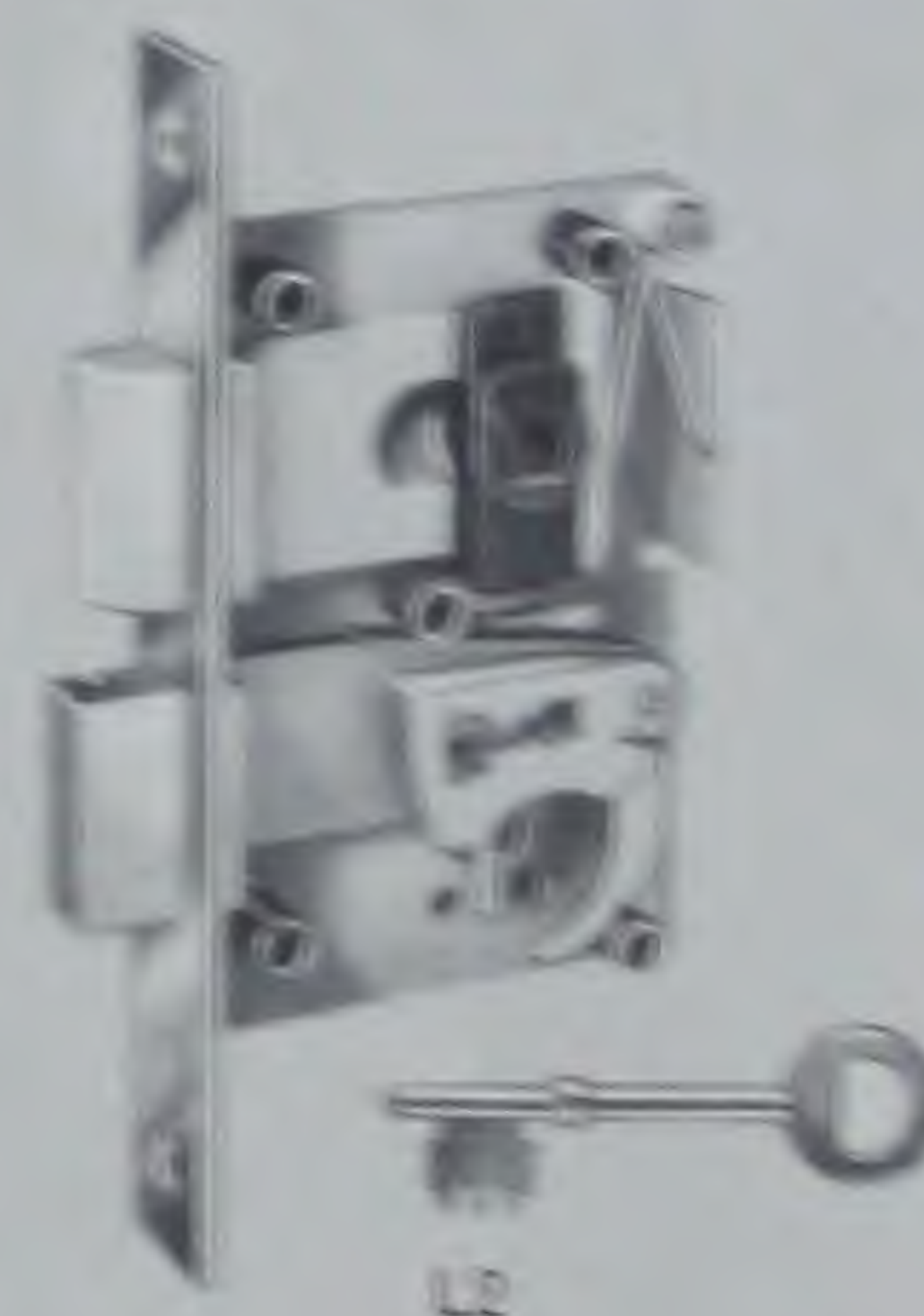
Locks to pass the same key -- -- -- 2/9 per lock
Locks to differ under Master Key -- -- -- 6/9 " "
" " " " Sub- and Grand Master Key 6/9 " "

KEYS

Master or Sub-Master 9/- each Grand Master 11/3 each
Extra or Servant Keys -- -- -- 4/1 "



3R36



L2



L1



L8

LEVER LOCKS

"NEMEF". WITH 4 LEVERS.

These Locks are particularly suitable for use with "Ogro" Door Furniture, as shown on pages 41 to 43 and 68. The Mortice Locks are fitted with specially sprung follower for Unsprung Lever Furniture.

Master-keyed patterns are 8710 and 8711. The other patterns shown cannot be Master-keyed.

General Specification:—

Steel Case 3" x 4" x $\frac{1}{2}$ ". Brass Bolt(s). Reversible easy action Latch bolt and 8 mm. Follower to all Mortice Locks. Satin Silver Anodised Forend and Striking plate. Backset 2 $\frac{1}{4}$ ". Forend 6" x 1".

8703	MORTICE LOCK.	36 Differs.	
	With one Key	.. .. .	15/9 each
8707	MORTICE LOCK.	350 Differs.	
	With one Key	.. .. .	20/6 "
8708	MORTICE DEAD LOCK.	36 Differs.	
	With two Keys	.. .. .	14/- "
8709	MORTICE DEAD LOCK.	350 Differs.	
	With two Keys	.. .. .	19/6 "

EXTRAS

Extra keys for 8703 and 8708	.. .. .	1/2 each
" " " 8709 and 8707	.. .. .	2/2 "
Locks to pass the same key	.. .. .	1/1 per lock
N.B.—8703 and 8708 have the same type of key.		
8707 and 8709	" " " " " "	

LOCKS TO DIFFER UNDER MASTER KEY.

In Suites consisting of one or both patterns.

8710	MORTICE LOCK.	Bushed. 300 Differs.	
	With one Servant Key	.. .. .	24/3 each
8711	MORTICE DEAD LOCK.	Bushed. 300 Differs.	
	With two Servant Keys	.. .. .	23/3 "

EXTRAS

Extra Servant Keys for 8710 and 8711	.. .. .	2/2 each
Master Keys	.. .. .	9/3 "
Locks to differ under Sub- and Grand		
Master Key	.. .. .	1/7 per lock
Grand Master Keys	.. .. .	14/- each
Sub-Master Keys	.. .. .	9/3 "

REBATED FOREND SETS FOR $\frac{1}{2}$ " REBATE.

8712	Reversible.	For any Mortice Lock on this page	.. .. .	14/- each
8713	Not Reversible*.	For any Mortice Dead Lock on this page	.. .. .	14/- "

*Please state hand required (i.e. hand of lock viewed from outside of door).



8703 & 8707



8708 & 8709



8710



8711

LEVER LOCKS

8738 MORTICE LOCK. 5-Lever. 72 Differs. Steel Case $3" \times 5\frac{1}{2}" \times \frac{9}{16}"$. Reversible easy action Brass Latch bolt. Laminated Steel double-throw Dead bolt. Brass Bushed Keyhole. 8 mm. Follower. Zinc-plated Forend and Striking plate. Backset $1\frac{3}{4}"$. Forend $8\frac{3}{32}" \times \frac{7}{8}"$. Centres, Follower and Keyhole $2\frac{27}{32}"$ (non-standard). With two Keys 19/6 each

8739 MORTICE LOCK. 3-Lever. 36 Differs. Unbushed Keyhole, otherwise specification as for 8738. With two Keys 14/9 each

Locks 8738 and 8739 are fitted with specially sprung follower, and are designed to suit Lever Furniture on page 51. Also available with Rebated Forends—prices on application.

8750 MORTICE DEAD LOCK. 5-Lever. 84 Differs. Steel Case $3\frac{1}{16}" \times 3" \times \frac{9}{16}"$. Brass Bolt, reinforced with two silver steel case-hardened rods. An "Anti-jemmy" locking pawl and other unique features provide a high degree of increased strength and security. Brass Forend $5\frac{1}{4}" \times 1\frac{1}{4}"$, and 10" Malleable Box Locking Plate. Backset $1\frac{1}{16}"$. With B.M.A. Escutcheons and three Keys 52/6 each

M555 "YALE" MORTICE DEAD LOCK. 5-Lever. 100 Differs. Steel Case $2\frac{1}{2}" \times 2\frac{3}{4}" \times \frac{9}{16}"$. Brass Bolt, with Steel inserts. Brass Bushed. Brass Forend $4\frac{3}{4}" \times 1"$, and 10" Steel Striking plate. Backset $1\frac{7}{16}"$. With B.M.A. Escutcheons and two Keys 33/6 each. Also available with Rebated Forend.

1439 "UNION" RIM LOCK. 3-Lever. 48 Standard Differs. Steel Case $6" \times 4\frac{1}{8}"$, with Fluted Rim. Brass Bolts. Brass Bushed. Reversible Latch bolt and $\frac{5}{16}"$ Follower. Scotch Spring action. Backsets:—Keyhole $2\frac{1}{8}"$; Follower $4\frac{3}{4}"$. Please state hand required. (Illustration shows right hand.) With one Key 14/- each

1139 "UNION" RIM DEAD LOCK. 3-Lever. 48 Standard Differs. Steel Case $4" \text{ or } 6" \times 4\frac{1}{8}"$, with Fluted Rim. Brass Bolt. Brass Bushed. Backsets:—(4") 2"; (6") 3". Please state hand required. (Illustration shows right hand.) With one Key. 4" or 6" .. 11/- each

Locks 1439 and 1139 are available with a larger number of Differs, up to a maximum of 750, at an extra charge. These Locks may be Master-keyed, but not with locks shown on other pages.

The following Rim Locks are also available:—

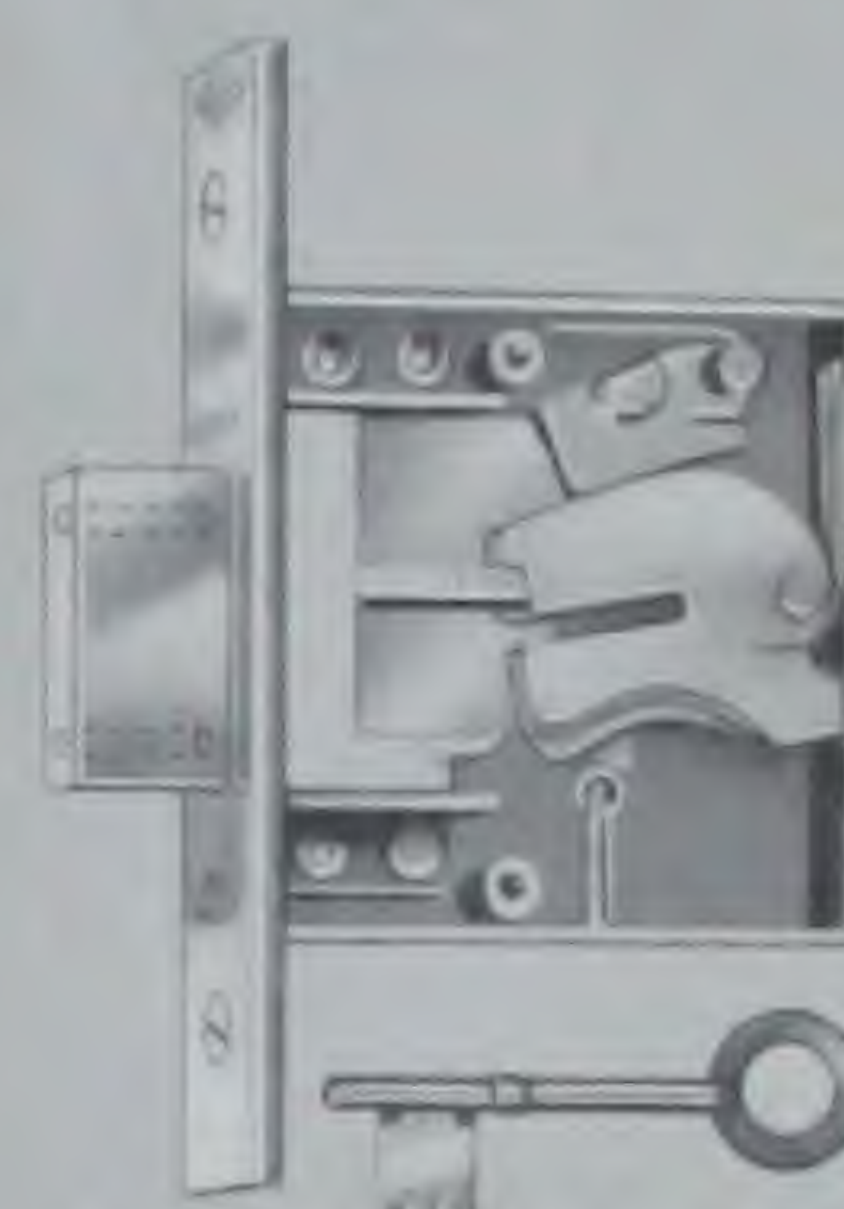
1497 "UNION". For Master-keying with Butter's System Mortice Locks (page 111).

1437 "UNION". For Master-keying with 3-Lever Bushed Mortice Lock (page 112).

Details and prices on request.



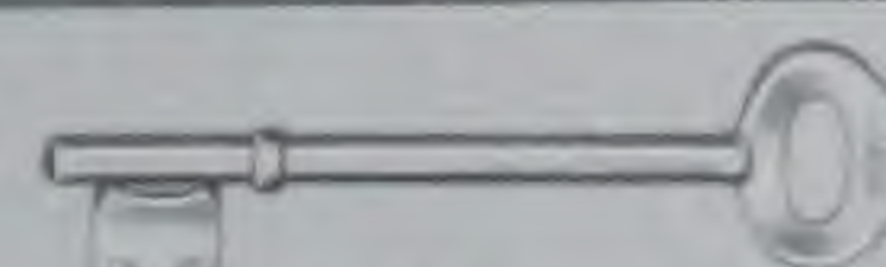
8738 & 8739



8750



"YALE"
M555

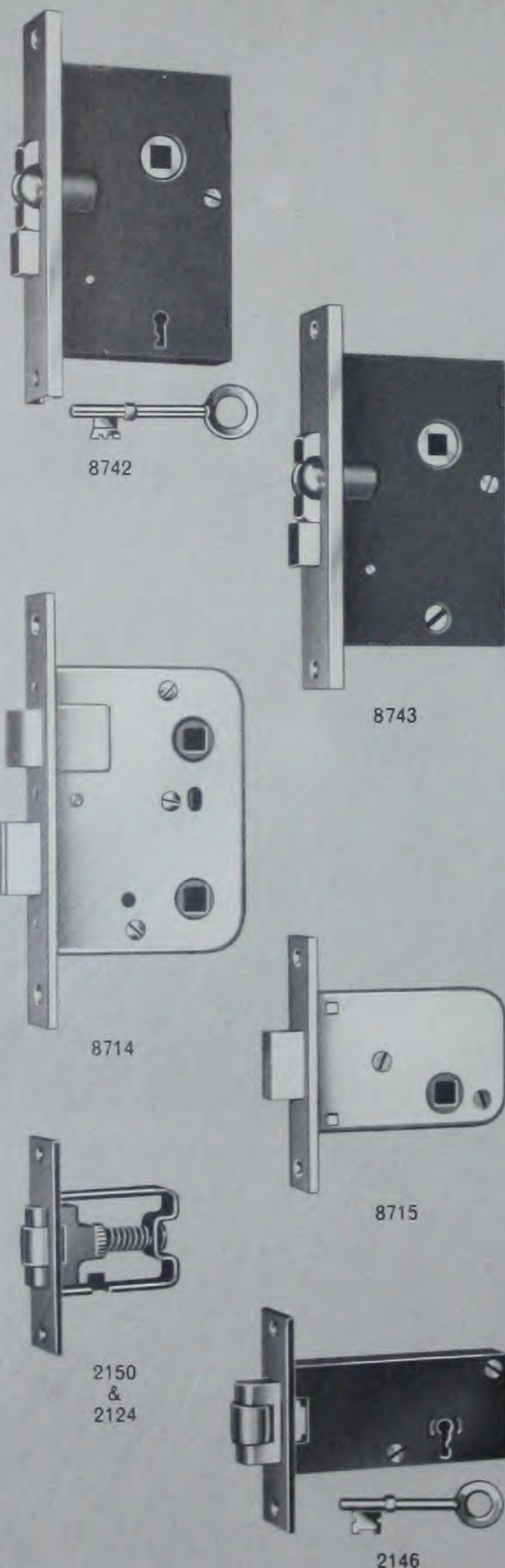


"UNION" 1439



"UNION" 1139

LOCKS, LATCHES AND CATCHES



8742 MORTICE LOCK. 2-Lever. 12 Differs. Steel Case $2\frac{3}{4}" \times 4" \times \frac{1}{2}"$. Easy closing, Ball-bearing Steel Latch bolt and Steel Dead bolt. $\frac{5}{16}"$ Follower. Aluminium Forend and Sherardized Steel Striking plate. Backset $1\frac{3}{4}"$. Forend $5\frac{1}{4}" \times \frac{7}{8}"$. Specially suitable for 7120 Lever Furniture (see page 57).
With one Key 8/6 each

8743 MORTICE LOCKING LATCH.
Dead bolt with Slotted Follower, otherwise specification as for 8742. Specially designed for use with 7114 Lever Furniture. For price complete, see page 57.

8714 "NEMEF" MORTICE BATHROOM LOCK.
Steel Case $3" \times 4" \times \frac{1}{2}"$. Brass Bolts. Reversible easy action Latch bolt, with 8 mm. Follower. Dead bolt with 8 mm. Follower. Satin Silver Anodised Forend and Striking plate. Backset $2\frac{1}{4}"$. Forend $6" \times 1"$. Centres (Followers) $2\frac{1}{4}"$. Specially designed for use with 8545, 8546 and 8547 Indicating Furniture Plates (see page 86) 14/- each

8715 "NEMEF" MORTICE BATHROOM LOCK.
Steel Case $3\frac{1}{8}" \times 2" \times \frac{1}{2}"$. Brass Dead bolt, with 8 mm. Follower. Satin Silver Anodised Forend and Striking plate. Backset $2\frac{1}{8}"$. Forend $3\frac{9}{16}" \times \frac{11}{16}"$. Specially designed for use with 8545 Indicating Furniture Plates (see page 86) 6/6 each

2150 MORTICE CATCH. Steel Frame $2" \times 1\frac{3}{8}" \times \frac{1}{2}"$. Brass adjustable Ball-bearing Roller bolt.
With Florentine Bronzed 9/-
Satin C.P. Forend 11/- each

2124 MORTICE CATCH. As 2150, but $1" \times \frac{7}{8}" \times \frac{3}{8}"$.
With Florentine Bronzed 5/9
Satin C.P. Forend 7/- each

2146 MORTICE LOCKING CATCH.
Steel Case $3\frac{1}{2}" \times 1\frac{1}{2}" \times \frac{1}{2}"$. Brass adjustable Ball-bearing Locking Roller bolt. Complete with one Key and Escutcheons.
With Florentine Bronzed 18/3
Satin C.P. Forend 21/6 each
Operation:—Key throws bolt an extra $\frac{5}{16}"$ and dead-locks. Bolt can be fully withdrawn by key.

Double-lipped Striking plates for use with Double Action Swing Doors can be supplied for 2150 and 2146 at small extra charge.

All prices except 8714 and 8715 include Wood Screws for fixing.

LATCHES

MORTICE PATTERN

2119 "UNION". Steel Case $2\frac{1}{2}"$, $3"$ or $4"$ \times $2\frac{3}{4}"$ \times $\frac{9}{16}"$. Brass Bolt. $\frac{5}{16}"$ Follower. Brass Forend $4\frac{3}{4}"$ \times $\frac{7}{8}"$, in B.M.A. or Satin C.P. $2\frac{1}{2}"$ or $3"$, $12/-$; $4"$, $13/6$ each. Backsets:—($2\frac{1}{2}"$) $1\frac{1}{16}"$; ($3"$) $2\frac{5}{16}"$; ($4"$) $3\frac{5}{16}"$.

Also available with Rebated Forend—prices on application.

2253 Steel Case $2"$, $2\frac{1}{2}"$ or $3"$ \times $2\frac{3}{4}"$ \times $\frac{9}{16}"$. Brass Bolt. $\frac{5}{16}"$ Follower. Brass Forend $4\frac{3}{4}"$ \times $1\frac{1}{16}"$.. $8/3$ each. Backsets:—($2"$) $1\frac{3}{8}"$; ($2\frac{1}{2}"$) $1\frac{7}{8}"$; ($3"$) $2\frac{3}{8}"$.

2262 Steel Case $3"$ \times $3"$ \times $\frac{5}{8}"$. Brass Bolt, Brass Bushed. $\frac{5}{16}"$ Follower. Forend $5\frac{1}{4}"$ \times $1\frac{1}{16}"$. Backset $2"$.
With Brass B.M.A. Satin C.P. Forend
19/- 23/6 23/6 each

*8700 "NEMEF". Steel Case $2\frac{1}{2}"$ \times $3\frac{3}{8}"$ \times $\frac{1}{2}"$. Brass Bolt. 8 mm. Follower. Backset $2"$. Steel Forend $5\frac{1}{4}"$ \times $\frac{7}{8}"$, Grey Enamelled. .. 4/6 each

*8701 "NEMEF". Steel Case $3"$ \times $4"$ \times $\frac{1}{2}"$. Brass Bolt. 8 mm. Follower. Backset $2\frac{1}{4}"$. Aluminium Forend $6"$ \times $1"$, Satin Silver Anodised .. 10/9 each

*For use with "Ogro" Door Furniture (see pages 41 to 43 and 68).

8740 Steel Case $2\frac{7}{8}"$ \times $3\frac{1}{8}"$ \times $\frac{1}{2}"$. Reversible Brass Bolt. 8 mm. Follower. Backset $1\frac{3}{4}"$. Steel Forend $5\frac{3}{16}"$ \times $\frac{7}{8}"$, Zinc Plated .. 9/6 each

For use with Lever Furniture on page 51.

8741 Steel Case $2\frac{3}{4}"$ \times $2\frac{1}{4}"$ \times $\frac{1}{2}"$. Ball-bearing Steel Bolt. $\frac{5}{16}"$ Follower. Backset $1\frac{3}{4}"$. Aluminium Forend $3\frac{3}{4}"$ \times $\frac{7}{8}"$. 5/6 each

Specially suitable for 7110 Lever Furniture (see page 57).

2142 "UNION". Steel Case $2\frac{1}{2}"$ or $3"$ \times $2"$ \times $\frac{1}{2}"$. Brass Bolt. $\frac{5}{16}"$ Follower. Steel Forend $3\frac{3}{4}"$ \times $\frac{7}{8}"$, in Florentine Bronze or Polished C.P. .. 4/- each. Backsets:—($2\frac{1}{2}"$) $1\frac{3}{4}"$; ($3"$) $2\frac{1}{4}"$.

2147 "UNION". Steel Case $3"$ \times $\frac{7}{8}"$. Brass Bolt. $\frac{5}{16}"$ Follower. Backset $2\frac{3}{8}"$. Diecast Alloy Forend $2\frac{1}{4}"$ \times $1\frac{5}{8}"$, Enamelled Florentine Bronze or Silver .. 3/6 each

2289 Cast Aluminium Case $2\frac{1}{2}"$, $3"$ or $3\frac{1}{2}"$ \times $1\frac{1}{2}"$ \times $\frac{9}{16}"$. Aluminium Bolt. $\frac{5}{16}"$ Follower. Aluminium Forend $2\frac{5}{8}"$ \times $1\frac{3}{8}"$.. 3/- each. Backsets:—($2\frac{1}{2}"$) $1\frac{3}{4}"$; ($3"$) $2\frac{3}{16}"$; ($3\frac{1}{2}"$) $2\frac{5}{8}"$.

2300 LOCKING LATCH. Aluminium Case $3\frac{1}{2}"$ \times $1\frac{1}{2}"$ \times $\frac{9}{16}"$. Aluminium Bolt. $\frac{5}{16}"$ Follower and extra Follower for Locking Snib. Backsets $1\frac{3}{8}"$ and $2\frac{5}{8}"$. Aluminium Forend $2\frac{5}{8}"$ \times $1\frac{3}{8}"$.. 3/9 each

For use with 5266 Locking Snib (see page 55).



2119 & 2253



2262



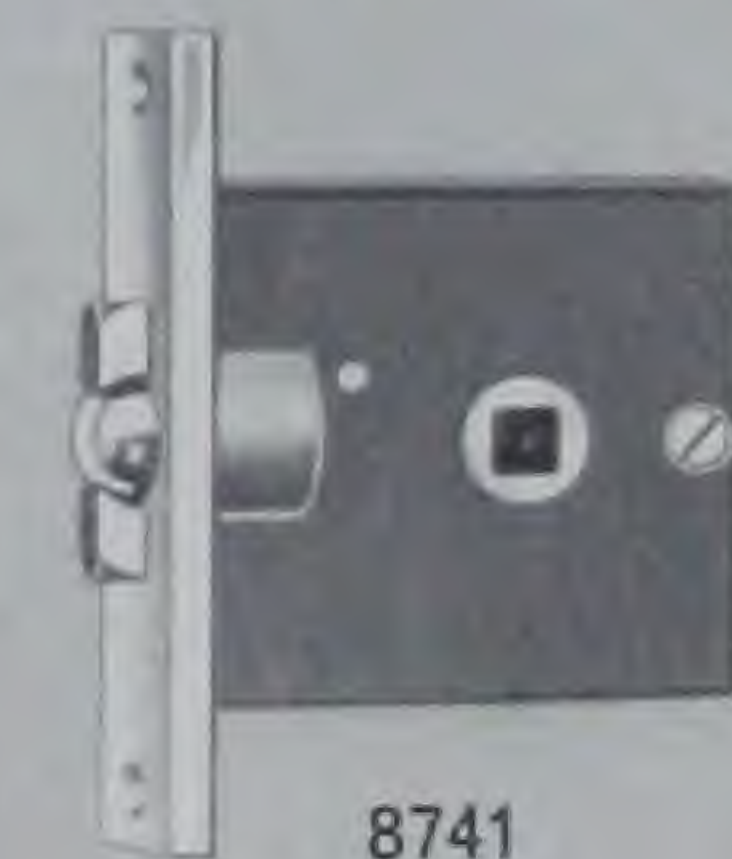
8700



8701



8740



8741



2142



2147



2289



2300

CYLINDER LOCKS

"UNION"

General Specification:—

Steel Case, Brass Bolt(s). Reversible easy action Latch bolt and $\frac{5}{16}$ " Follower (2281 and 2381). $\frac{3}{16}$ " Follower for Thumb turn. Oval Brass Cylinder with 5 pin tumblers. Suitable for doors $1\frac{3}{8}$ " to $1\frac{7}{8}$ " thick. Differs almost unlimited. Brass Forend and Striking plate. All exposed parts in B.M.A. or Satin C.P.

Backsets:—($2\frac{1}{4}$ " $1\frac{5}{8}$ "; 3" ($2\frac{1}{8}$ "). Forends, 6" × 1".

Centres:—Cylinder and Follower $1\frac{3}{32}$ ".

Thumb Turn and Cylinder $1\frac{11}{32}$ ".

N.B.—All Locks on this page and page 123 have, as standard, a KB502 Key section, and can be supplied, if required, to pass, including locks on other pages using this key. Similarly, all such locks can be supplied in a Master-keyed Suite. See "Extras" on page 123.

2281 MORTICE LOCK. $2\frac{1}{4}$ " or 3" × $4\frac{1}{4}$ " × $\frac{9}{16}$ ".

With two Keys 37/6 each

Operation:—Latch bolt from either side by Lever Handle (not included with lock). Dead bolt from outside by key, from inside by thumb turn (not included with lock). For prices of 2281 complete with suitable Furniture, see 7382 and 7383 on page 59. For other suitable Furniture, see 7075 and 7076 on page 49.

2181 MORTICE DEAD LOCK. $2\frac{1}{4}$ " or 3" × $4\frac{1}{4}$ " × $\frac{9}{16}$ ".

With two Keys 36/- each

Operation:—From outside by key, from inside by thumb turn.

2381 MORTICE NIGHT LATCH. 3" × $4\frac{1}{4}$ " × $\frac{9}{16}$ ".

With two Keys 66/- each

Operation:—From outside by key, from inside by Knob or Lever Handle (not included with lock). When closed, the auxiliary bolt is pressed on the striking plate, deadlocking the latch bolt against end pressure. Latch bolt may be held in by thumb turn.

Furniture 7076 (page 49) or 7382 (page 59) may be used with Latch 2381 on the inside only. If either is specified, the thumb turn normally supplied is omitted.

2481 MORTICE SLIDING DOOR LOCK. 3" × $4\frac{1}{4}$ " × $\frac{9}{16}$ ".

With two Keys 48/- each

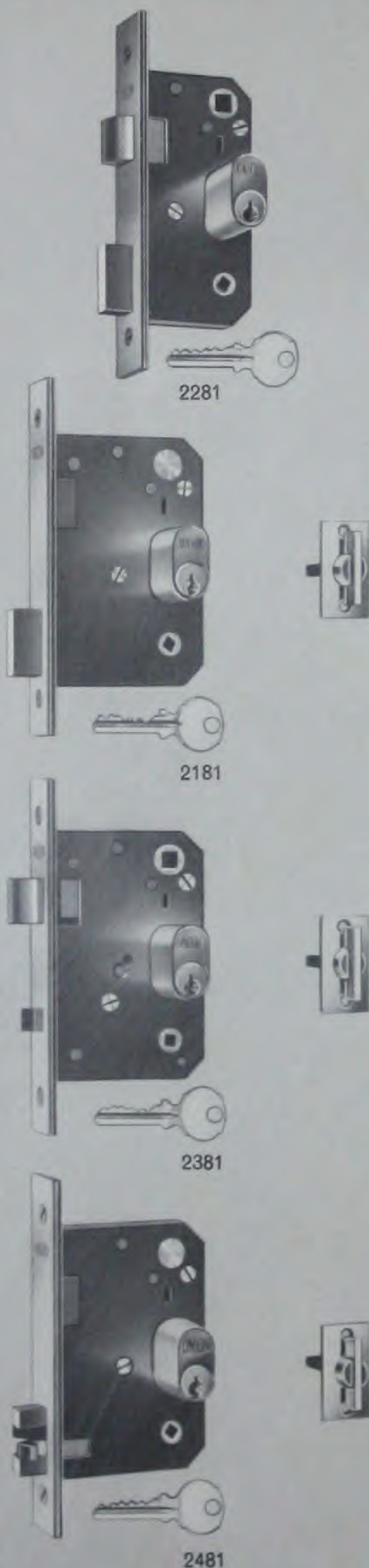
Operation:—From outside by key, from inside by thumb turn. Bolt is not self-closing.

All the above Locks are available with Double Cylinder—See table below—Prices on application.

Reversible Rebated Forend Sets (as described on page 113) to convert the above to suit $\frac{1}{2}$ " rebate:—

B.M.A or Satin C.P. 16/9 set

Single Cylinder	2281	2181	2381	2481
Double Cylinder	22281	21281	23281	24281
Rebated Forend Set	2991	2981	—	2981



CYLINDER LOCKS

"UNION"

General Specification:—

Cast Brass Case ($2\frac{1}{2}$ " size); Cast Aluminium Case ($3\frac{1}{4}$ " and $3\frac{1}{2}$ "); Brass Bolt(s). Reversible easy action Latch bolt and $\frac{5}{16}$ " Follower (2272 and 2372). $\frac{3}{16}$ " Follower for Thumb turn (all except 2372). Bronze Cylinder with 5 pin tumblers. Suitable for doors $1\frac{5}{8}$ " to $2\frac{1}{4}$ " thick. Differs almost unlimited. Bronze Forend and Striking plate. All exposed parts in B.M.A. or Satin C.P.

N.B.—All Locks on this page have, as standard, a KB502 Key section and can be supplied Master-keyed or to pass. See "Extras" below.

- 2272 MORTICE LOCK. $2\frac{1}{2}$ " or $3\frac{1}{2}$ " \times $5\frac{3}{4}$ " \times $\frac{1}{16}$ ".
 With two Keys 68/6 each
 Backsets:—($2\frac{1}{2}$ ") $1\frac{1}{16}$ "; ($3\frac{1}{2}$ ") $2\frac{1}{2}$ ". Forend $8" \times 1\frac{1}{8}"$.
 Centres:—Cylinder and Follower $3\frac{1}{2}"$.
 Thumb Turn and Follower $2\frac{1}{8}"$.

Operation:—Latch bolt from either side by Lever Handle (not included with lock). Dead bolt from outside by key, from inside by thumb turn (not included with lock).

For suitable Furniture, see 7077 and 7070 on page 48.

- 2172 MORTICE DEAD LOCK. $2\frac{1}{2}$ " or $3\frac{1}{4}$ " \times $3"$ \times $\frac{1}{16}"$.
 With two Keys 64/- each
 Backsets:—($2\frac{1}{2}$ ") $1\frac{1}{16}"$; ($3\frac{1}{4}"$) $2\frac{1}{2}"$. Forend $4\frac{3}{4}" \times 1"$.
 Operation:—From outside by key, from inside by thumb turn.

- 2372 MORTICE NIGHT LATCH. $2\frac{1}{2}$ " or $3\frac{1}{4}$ " \times $3"$ \times $\frac{1}{16}"$.
 With two Keys 78/- each
 Backsets:—($2\frac{1}{2}$ ") $1\frac{1}{16}"$; ($3\frac{1}{4}"$) $2\frac{1}{2}"$. Forend $4\frac{3}{4}" \times 1"$.
 Operation:—From outside by key, from inside by $1\frac{3}{4}"$ diam. Knob. Slide in forend to hold bolt in and to release.

- 2472 MORTICE SLIDING DOOR LOCK.
 $2\frac{1}{2}"$ or $3\frac{1}{4}" \times 3" \times \frac{1}{16}"$. With two Keys . . 64/- each
 Backsets:—($2\frac{1}{2}"$) $1\frac{1}{16}"$; ($3\frac{1}{4}"$) $2\frac{1}{2}"$. Forend $4\frac{3}{4}" \times 1"$.
 Operation:—From outside by key, from inside by thumb turn. Bolt is not self-closing.

All the above Locks are available with Double Cylinder. Rebated versions (except for 2472) can also be supplied—normally for $\frac{1}{2}"$ rebate.

EXTRAS

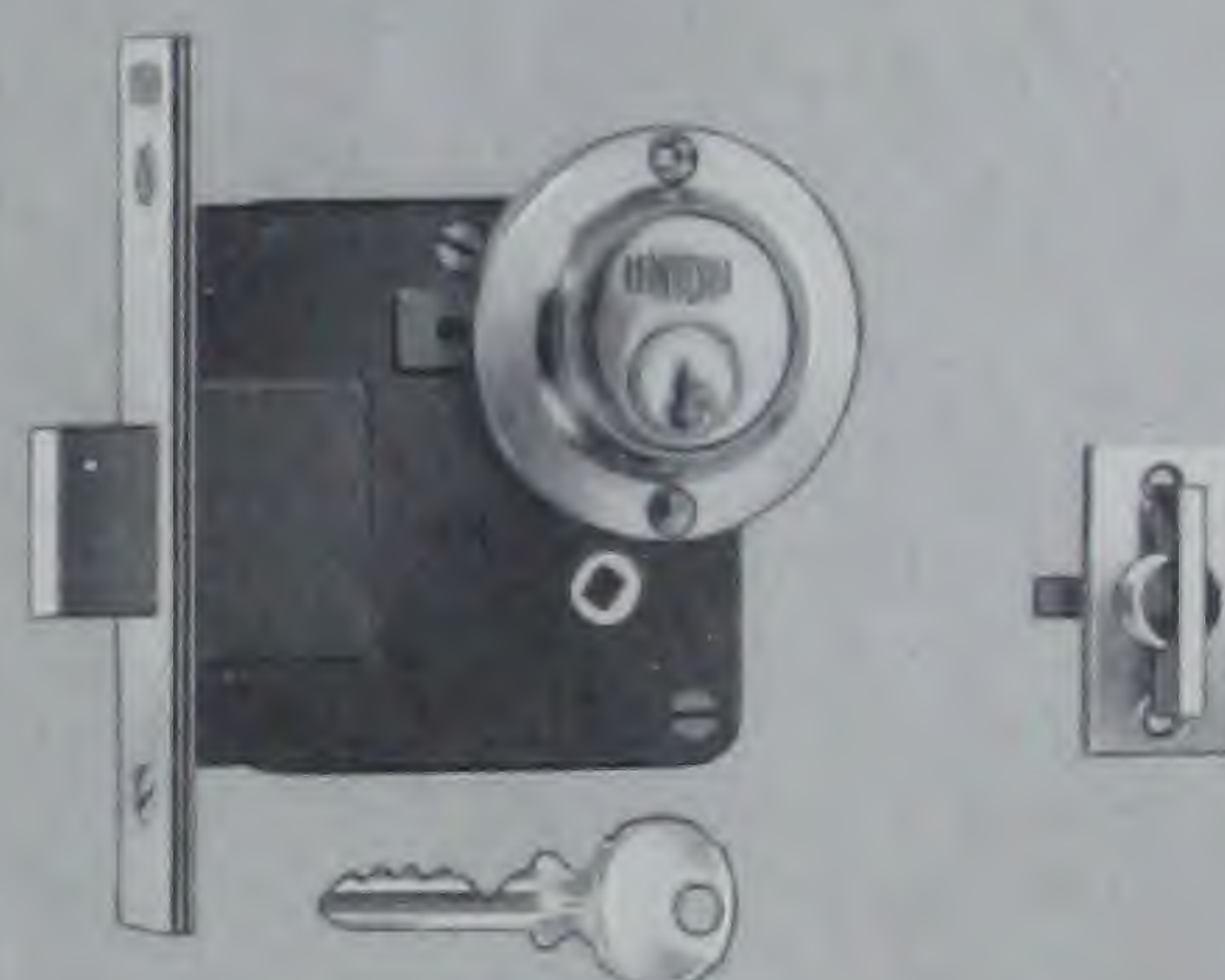
To pass the same key	1/-	per cylinder
To differ under Master Key	7/-	" "
" " " Sub- and Grand Master Keys 7/9	" "	" "

KEYS

Master or Sub-Master	6/6	each
Grand Master	8/-	"
Extra or Servant Keys	1/-	"



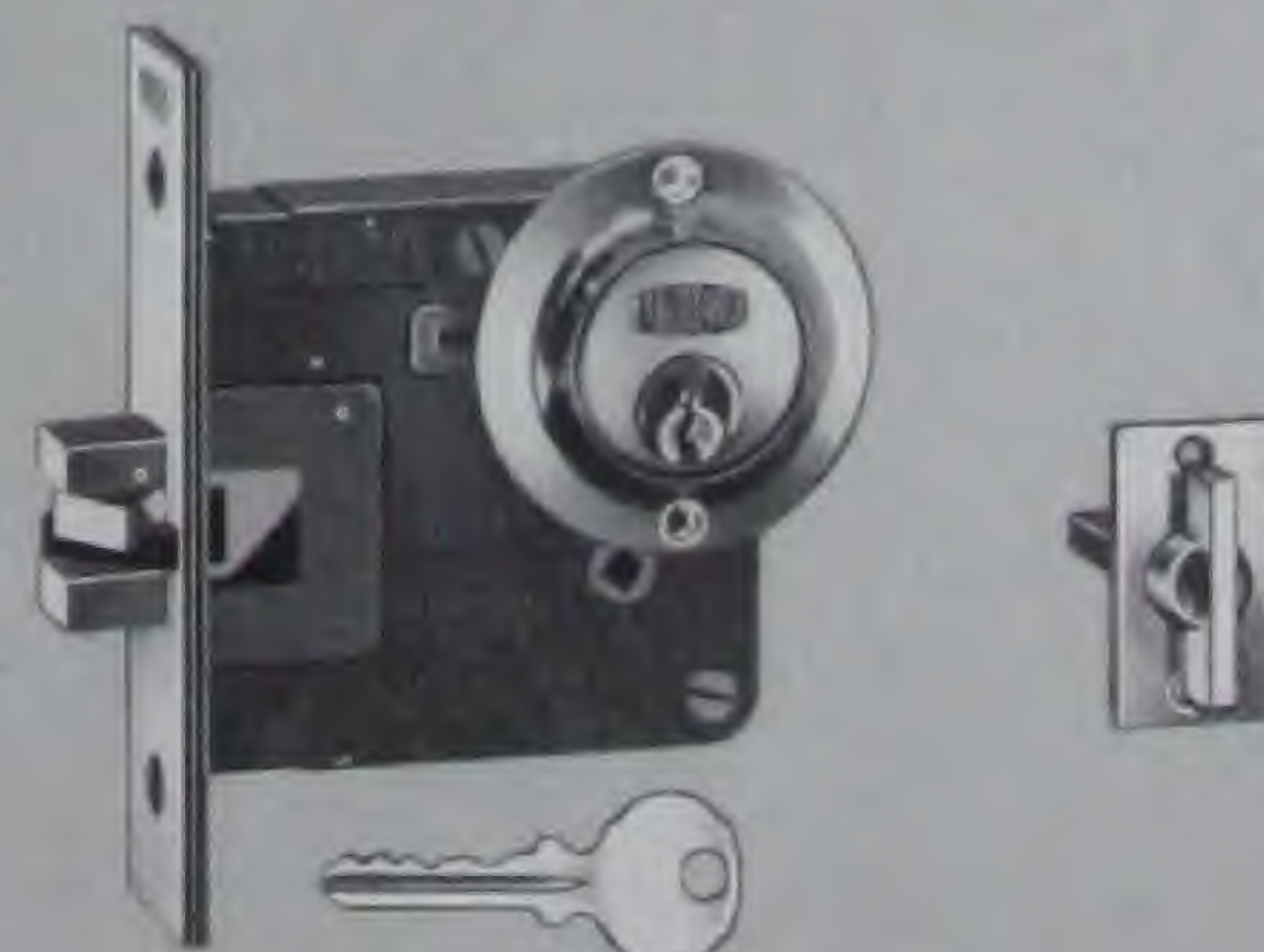
2272



2172



2372



2472

CYLINDER LOCKS

"YALE"

General Specification:—

Cast Bronze Case, Cast Bronze Bolts, Reversible easy action Latch bolt and $\frac{5}{16}$ " Bronze Follower. Bronze Cylinder, with 5 pin tumblers. Differs almost unlimited. Cast Bronze Forend and Striking plate. All exposed parts in B.M.A. or Satin C.P. Prices include Wood Screws for fixing.

Operation:—From outside by key, from inside by thumb turn. Key or turn operates both bolts. Follower provided for Knob or Lever Furniture to operate Latch bolt when Dead bolt is in "unlocked" position.

N.B.—All Locks on this page and page 125 have, as standard, a No. 8 Key section, and can be supplied, if required, to pass, including locks on other pages using this key. Similarly, all such locks can be supplied in a Master-keyed Suite. See "Extras" below.

6183 MORTICE LOCK. $3\frac{3}{4}" \times 6" \times \frac{3}{4}"$.
With two Keys 161/- each
Backset $2\frac{3}{4}"$. Forend $8\frac{1}{8}" \times 1\frac{1}{4}" \times \frac{9}{32}"$.
Centres:—Cylinder and Follower 4".
Thumb Turn and Follower $3\frac{3}{4}"$.

6145 MORTICE LOCK. For Narrow Stiles.
 $2\frac{7}{16}" \times 5\frac{1}{16}" \times \frac{1}{16}"$. With two Keys .. 161/- each
Backset $1\frac{1}{2}"$. Forend $8\frac{5}{16}" \times 1\frac{1}{4}" \times \frac{7}{32}"$.
Centres:—Cylinder and Follower $3\frac{7}{8}"$.
Thumb turn and Follower $3\frac{5}{8}"$.

6182 MORTICE LOCK. $5\frac{5}{16}" \times 4" \times \frac{1}{16}"$.
With two Keys 161/- each
Backset:—Keyhole $2\frac{3}{16}"$, Follower 5".
Forend $6\frac{3}{8}" \times 1\frac{5}{16}" \times \frac{7}{32}"$.

EXTRAS

To pass the same key	1/3 per cylinder
To differ under Master Key	7/6 " "
" " " Sub- and Grand Master Key	8/6 " "

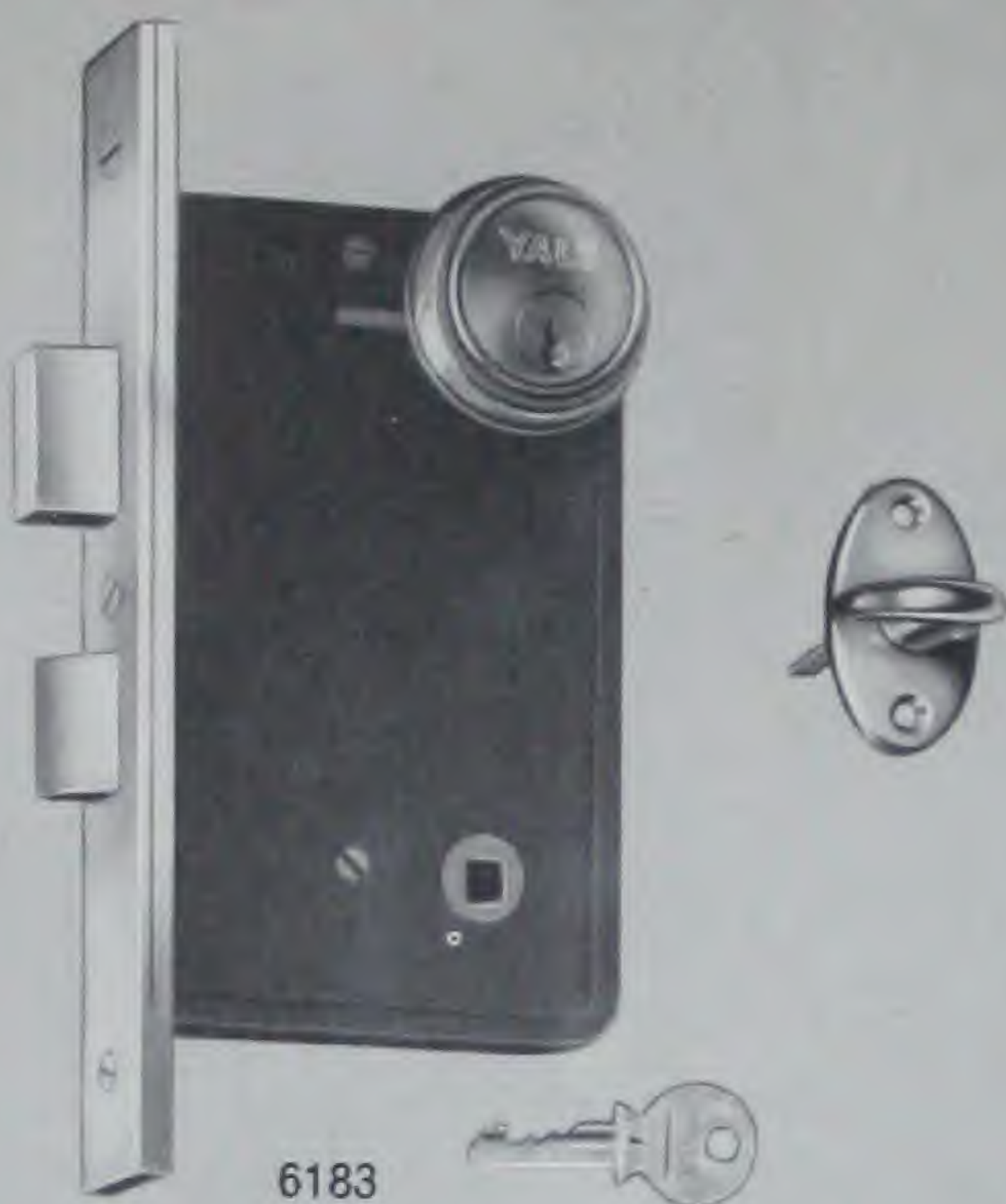
KEYS

Master or Sub-Master 6/- each.	Grand Master 8/6 each
Extra Keys 1/3 "	Servant .. 2/6 "

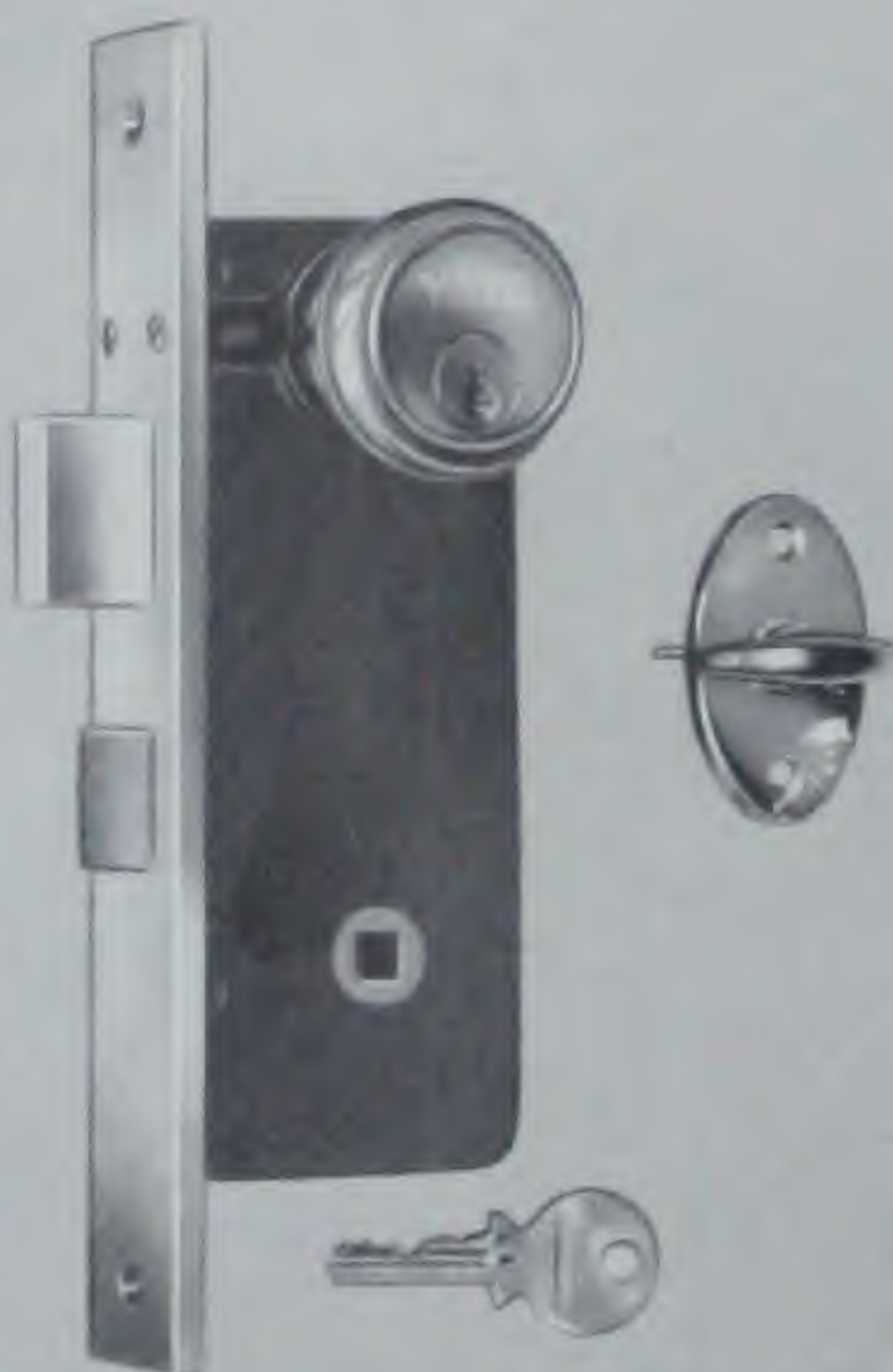
ORDERING DETAILS for pages 124 and 125.

When ordering, please state:—

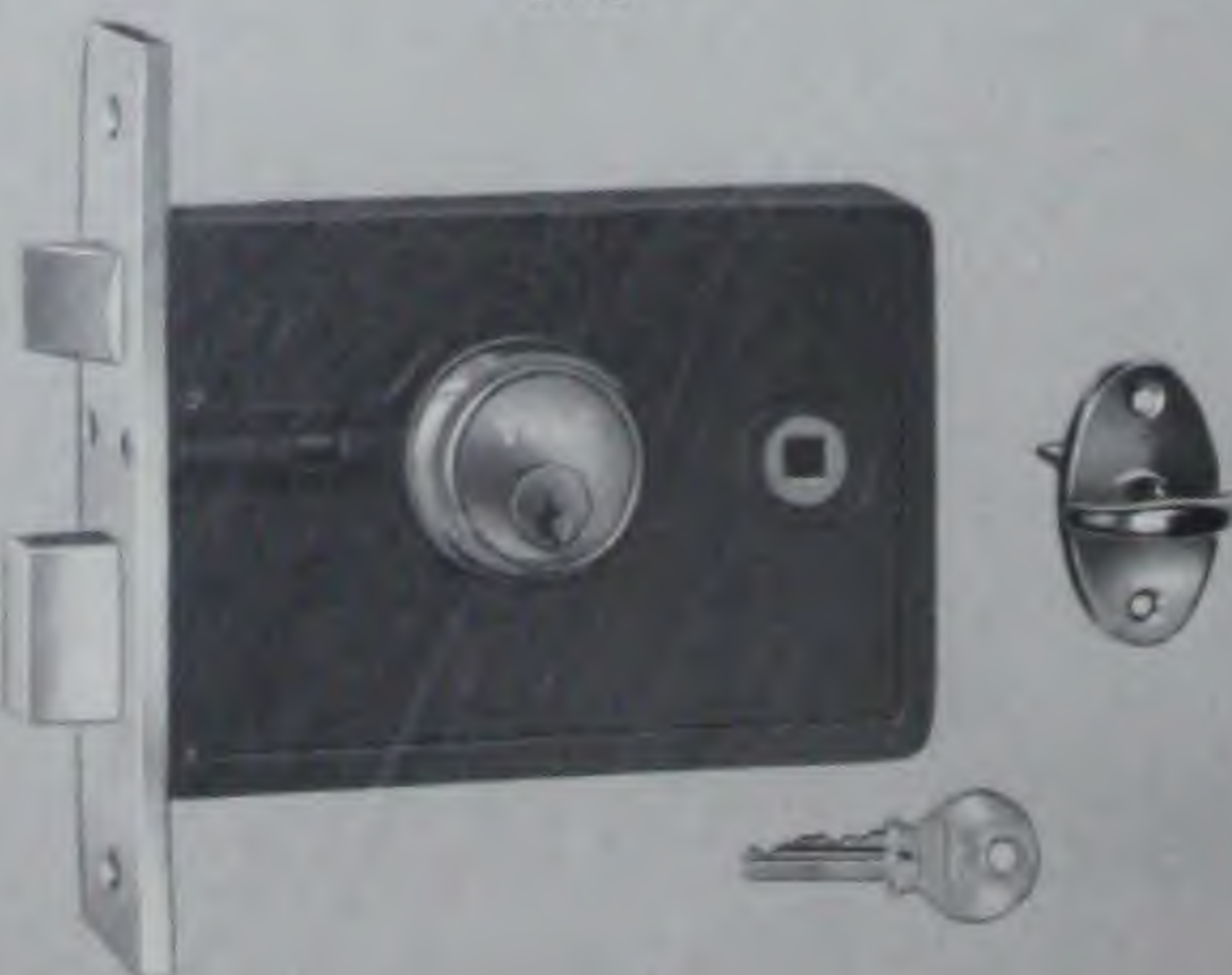
1. Hand required—illustrations show left hand.
2. Thickness of door. Available for $1\frac{3}{8}"$ to 3" doors.
3. If to be used with Long Backplate Furniture (see page 48).



6183



6145



6182

CYLINDER LOCKS

"YALE"

General Specification:—

Cast Bronze Case, Cast Bronze Bolt(s). Bronze Cylinder with 5 pin tumblers. Differs almost unlimited. Cast Bronze Forend and Striking plate. All exposed parts in B.M.A. or Satin C.P. Prices include Wood Screws for fixing.

- 6140 MORTICE DEAD LOCK. $2\frac{1}{16}'' \times 3\frac{9}{16}'' \times \frac{3}{4}''$.
With two Keys 88/- each
Backset $1\frac{5}{8}''$. Forend $5\frac{3}{4}'' \times 1'' \times \frac{7}{32}''$.

- 6146 MORTICE DEAD LOCK. For Narrow Stiles.
 $1\frac{3}{4}'' \times 3\frac{7}{16}'' \times \frac{1}{16}''$. With two Keys . . . 91/6 each
Backset $\frac{1}{16}''$. Forend $5\frac{1}{16}'' \times 1\frac{3}{16}'' \times \frac{1}{4}''$.

Operation of 6140 and 6146:—From outside by key, from inside by thumb turn.

- 6080 MORTICE NIGHT LATCH. $3\frac{1}{2}'' \times 3\frac{7}{8}'' \times \frac{1}{2}''$.
Reversible easy action Latch bolt.
With two Keys 97/6 each
Backset $2\frac{1}{16}''$. Forend $6\frac{3}{8}'' \times 1\frac{3}{16}'' \times \frac{7}{32}''$. Centres $2\frac{5}{32}''$.
Operation of 6080:—From outside by key, from inside by knob. (Follower is $\frac{5}{16}''$.) Slide in forend to hold bolt in and to release.

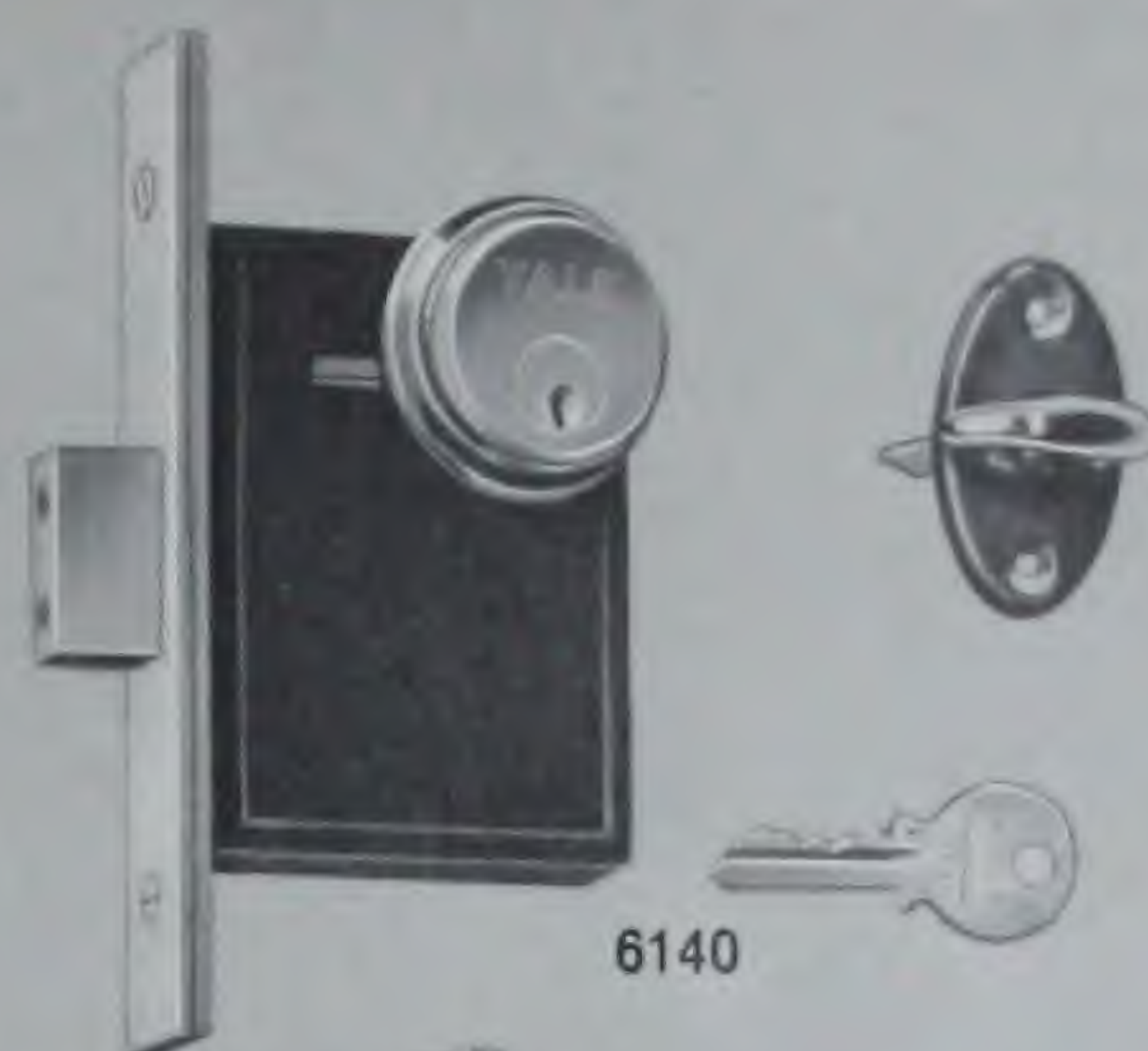
- 6151 MORTICE SLIDING DOOR LOCK. $3\frac{9}{16}'' \times 5\frac{1}{4}'' \times \frac{13}{16}''$.
With two Keys 137/6 each
Backset $2\frac{1}{8}''$. Forend $7'' \times 1\frac{3}{16}'' \times \frac{1}{4}''$.
Centres:—Cylinder and Follower $3\frac{5}{16}''$.
Thumb Turn and Follower $3\frac{1}{16}''$.

Operation of 6151:—Self-closing bolt is deadlocked from outside by key, from inside by thumb turn. Follower ($\frac{5}{16}''$) provided for Knob or Lever Furniture to operate bolt when unlocked.

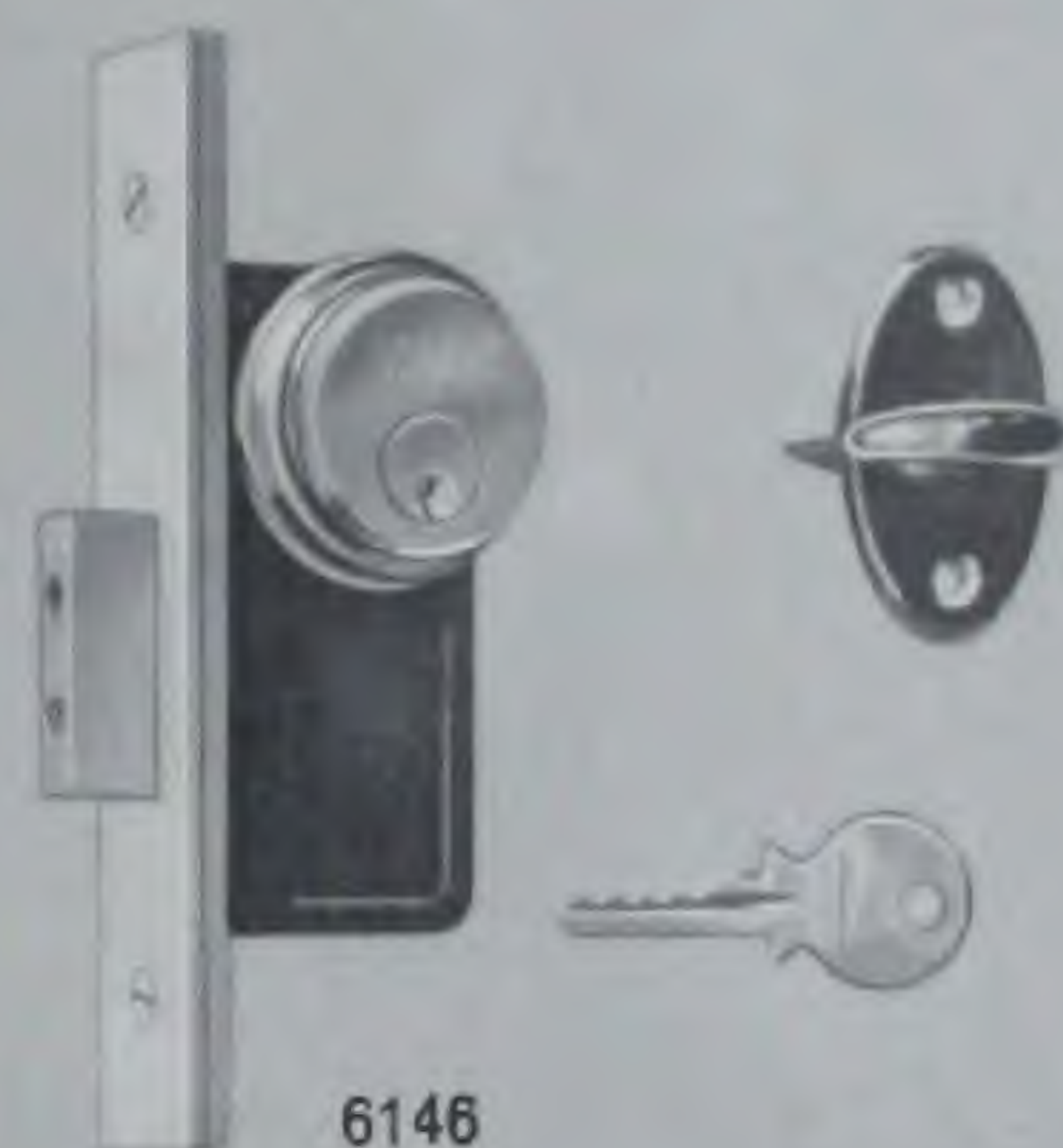
All Locks on this page have, as standard, a No. 8 Key section and can be supplied Master-keyed or to pass.

For Extras, Keys and Ordering Details—see page 124.

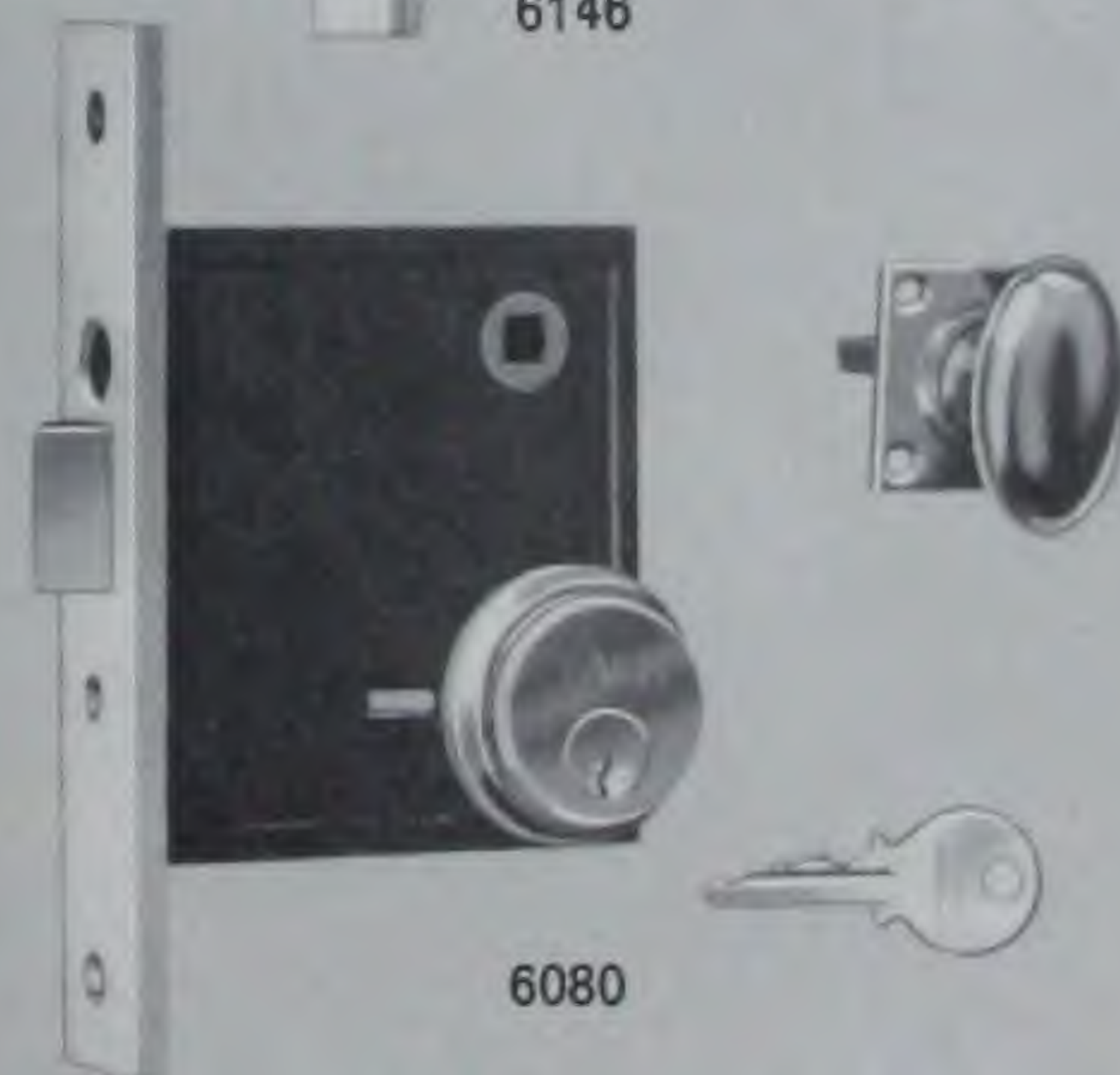
N.B.—Locks and Latches on pages 124 and 125 can also be supplied with Double Cylinder, i.e., Cylinder both sides, or with Single Cylinder without Thumb Turn (except 6080, page 125). Rebated versions of these locks, except 6151, are also available—normally for $\frac{1}{2}''$ rebate.



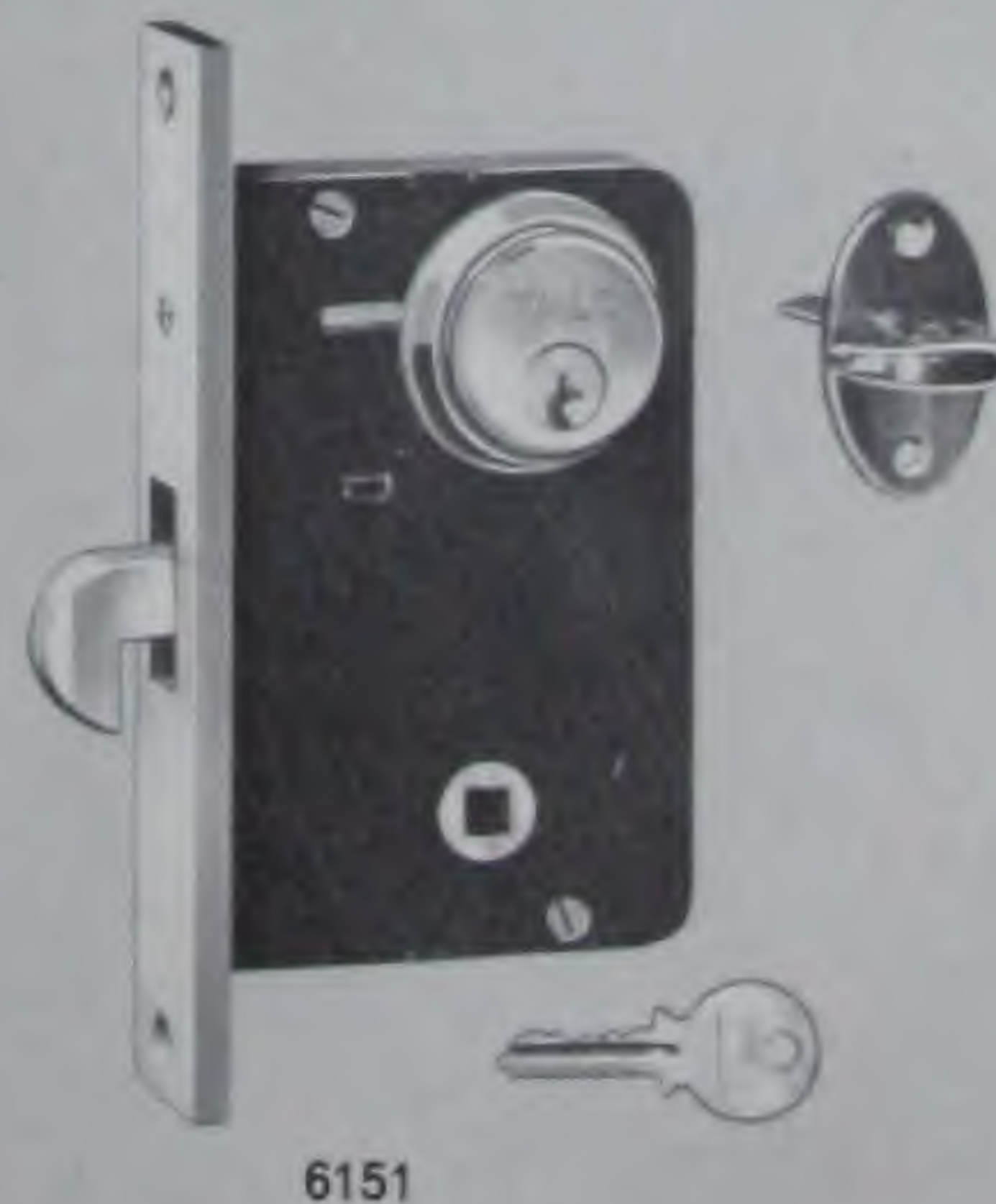
6140



6146

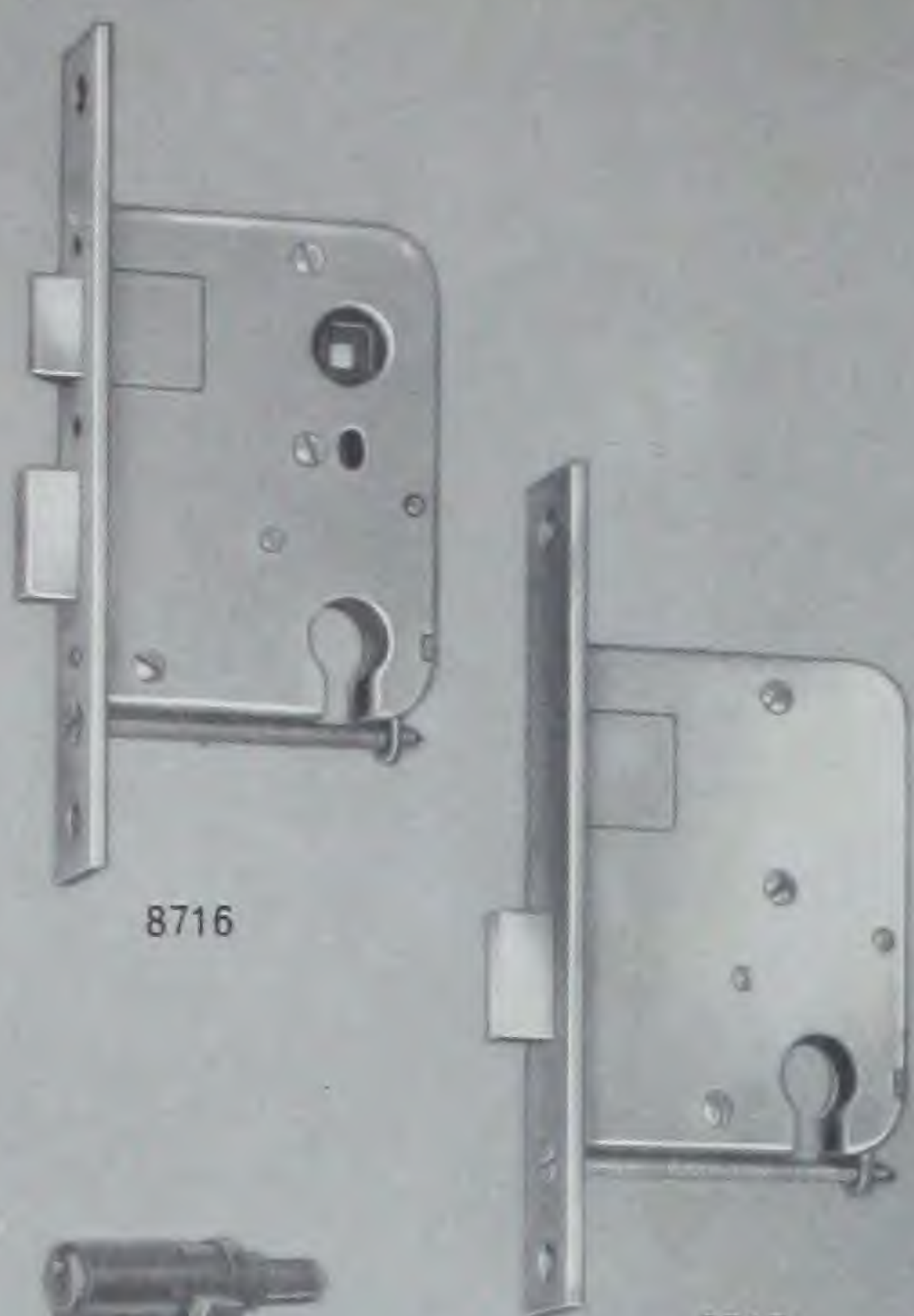


6080

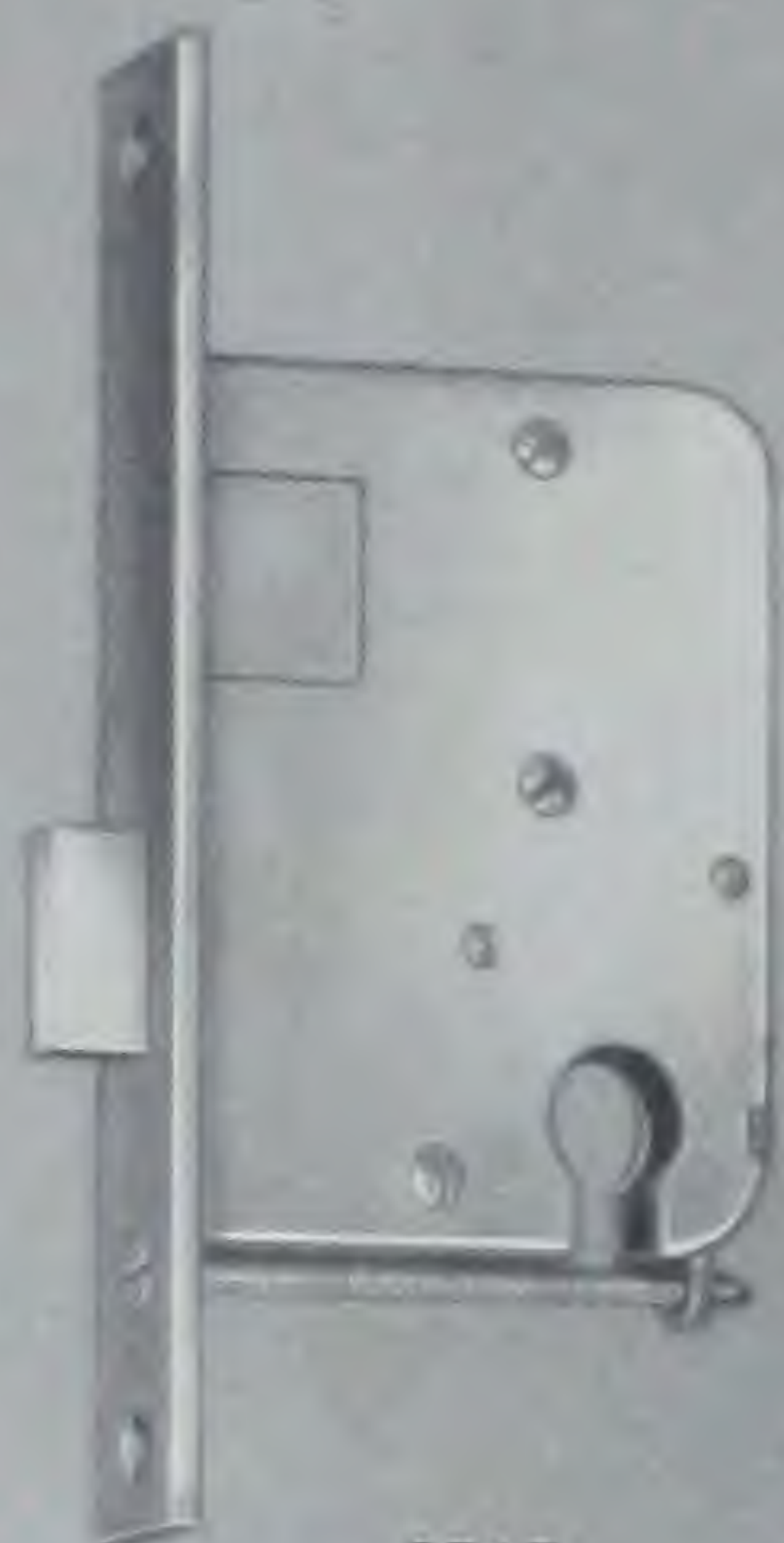


6151

CYLINDER LOCKS



8716



8717



8718



8719



8720



7048



8744

8716 "NEMEF" MORTICE LOCK. Steel Case 3" x 4" x 1/2". Brass Bolts. Reversible easy action Latch bolt and 8 mm. Follower, specially sprung for unsprung Furniture. Satin Silver Anodised Forend and Striking plate. Backset 2 1/4". Centres; Follower and Cylinder 2 3/8". Forend 6" x 1". For use with "C.E.S." Insert Cylinders listed below 14/9 each

8717 "NEMEF" MORTICE DEAD LOCK. Steel Case 3" x 4" x 1/2". Brass Bolt. Satin Silver Anodised Forend and Striking plate. Backset 2 1/4". Forend 6" x 1". For use with "C.E.S." Insert Cylinders listed below 11/9 each

"C.E.S." INSERT CYLINDERS.

With 5 pin tumblers. Length 2 3/8". 10,000 Differs. Automatic Dust Seal. Satin Nickel Plated on Brass.

8718 Single Cylinder, with Short spindle for Locking Turn on Plate. With two Keys 23/- each

Suitable for 7079/7098 and 7079/7099 Furniture on page 43, when used with 8716 Mortice Lock. Other Backplates shown on pages 41 to 43 can also be supplied with Cylinder aperture and Inside Locking turn.

8719 Single Cylinder. Fitted with 1 1/2" Satin Silver Finish Knurled Knob. With two Keys 38/- each

Operation of 8718 and 8719:—From outside by key, from inside by turn. Key or turn withdraws both bolts.

8720 Double Cylinder. With two Keys 29/9 each

Operation of 8720:—From either side by key. Key withdraws both bolts.

8719 and 8720 are suitable for 7079/7098 Furniture on page 43 when used with 8716 Mortice Lock, or for other Backplates on pages 41 to 43 which can be supplied with aperture for cylinder profile at an extra of 6d. per set.

Extras for Master-keying, etc., quoted on request.

7048 ESCUTCHEON PLATE. For use with 8717 Mortice Dead lock and any of the above "C.E.S." Insert Cylinders.

Satin Silver Finish 7/- pair

REBATED FOREND SETS. For 1/2" Rebate.

8712 Reversible. For 8716 Lock (above) 14/- each

8713 Not reversible. For 8717 Lock (above) 14/- "

Please state hand of lock, viewed from outside.

8744 MORTICE LOCK. Steel Case 2 1/2" or 3" x 4 3/4" x 1/2". Brass Bolts. Reversible easy action Latch bolt and 5/16" Follower. Brass Cylinder with 5 levers. Silver Anodised Faceplate. 3,000 Differs. Aluminium Forend 6" x 1 5/16", and Steel Striking plate. With two Keys.

For price complete with 7124 Lever Furniture—see page 57.

Operation:—Locking bolt is withdrawn from outside by the key, and springs out when the key is removed. From inside, the Locking bolt is withdrawn and held back by the snib. Snib can be locked against turning by key from inside.

CYLINDER LATCHES

RIM PATTERN

"YALE" No. 1 AUTOMATIC DEAD LATCH. Double Cylinder. Diecast Alloy Case $3\frac{1}{2}" \times 2\frac{1}{2}" \times 1\frac{1}{2}"$. Concealed fixing. Brass reversible deadlocking Latch bolt. Brass Cylinder with 5 pin tumblers. Differs almost unlimited. Diecast Alloy Lever Handle with 3-pin tumbler cylinder. Backset $2\frac{1}{4}"$. With two Keys.

Silver Bronze Enamelled Case, Brass plated	
Lever Handle, B.M.A. Cylinder	30/6 each
Satin C.P. all over	35/6 "
Polished C.P. all over	35/6 "

Operation of "Yale" No. 1:—From outside by key, from inside by lever handle. When door is closed, an auxiliary bolt is held in by the staple, and latch bolt is thrown an extra $\frac{1}{4}"$ (total throw $\frac{1}{2}"$) and deadlocks against end pressure. Handle can be locked against turning, by key from inside, but door can still be opened from outside by key. Bolt may be held in by press button.

General Specification ("Union" 1066 and "Yale" 723):—Diecast Alloy Case, Brass reversible Latch bolt, Brass Knob. Brass Cylinder with 5 pin tumblers. Differs almost unlimited.

"UNION" 1066 AUTOMATIC DEAD LATCH.

Case $3\frac{1}{2}" \times 2\frac{1}{2}" \times 1\frac{1}{2}"$. Bronze Enamelled. Backset $2\frac{1}{4}"$. With two Keys.

With B.M.A.	Satin C.P.	Polished C.P.	Cylinder
19/-	20/-	20/-	each

Operation of "Union" 1066:—From outside by key, from inside by handle. When door is closed, a slide let into the bolt is held back by the staple, which automatically deadlocks the bolt against end pressure. Handle can also be locked by key from outside against turning. Bolt may be held in by press button.

"YALE" 723 DEAD LATCH. For Narrow Stiles.

Case $2\frac{1}{2}" \times 2\frac{1}{2}" \times 1\frac{1}{2}"$. Silver Bronze Enamelled. Backset $1\frac{1}{4}"$. With two Keys.

With B.M.A.	Satin C.P.	Polished C.P.	Cylinder
18/-	18/9	18/9	each

Operation of "Yale" 723:—From outside by key, from inside by knob. Bolt may be deadlocked against end pressure by reverse turn of key from outside, which also prevents rotation of inside knob. Bolt may also be held in or deadlocked by thumb slide.

"YALE" 99 SPRING LATCH. Black Cast Iron Case $3\frac{1}{2}" \times 2\frac{1}{2}" \times 1"$. Brass reversible Latch bolt. Brass Knob. Brass Cylinder with 5 pin tumblers. Differs almost unlimited. Backset $2\frac{1}{4}"$. With two Keys.

With Brass	B.M.A.	Satin C.P.	Polished C.P.	Cylinder
15/9	16/9	18/-	18/-	each

Operation of "Yale" 99:—From outside by key, from inside by knob. Bolt may be held in or deadlocked by thumb slide. When deadlocked, the door can only be opened from inside.

All prices include Wood Screws.

Master-keyed Suites and Cylinders to pass—see foot of page 128.



"YALE" No. 1



"UNION" 1066



"YALE" 723



"YALE" 99





"YALE" 5040



"YALE" 034



"UNION" 1088



"YALE" 706



"YALE" 049



CYLINDER LATCHES

RIM PATTERN

"YALE" 5040 SPRING LATCH.

Cast Bronze Case $3\frac{1}{2}" \times 2\frac{1}{4}" \times 1"$. Concealed fixing. Bronze reversible Latch bolt. Bronze Knob. Bronze Cylinder with 5 pin tumblers. Differs almost unlimited. Backset $2\frac{3}{8}"$. With two Keys.

B.M.A. all over 45/- each

Operation of "Yale" 5040:—From outside by key, from inside by knob. Bolt may be held in by thumb slide.

"YALE" 034 SPRING LATCH. Heavy Duty. Cast Iron Case $4\frac{1}{8}" \times 3\frac{1}{8}" \times 1\frac{1}{4}"$. Bronze reversible Latch bolt. Bronze Knob. Bronze Cylinder with 5 pin tumblers. Differs almost unlimited. Backset $2\frac{3}{4}"$. With two Keys.

With B.M.A. Cylinder 35/- each

Operation of "Yale" 034:—As for "Yale" 99, page 127.

General specification ("Union" 1088 and "Yale" 706):—Diecast Alloy Case. Brass reversible Latch bolt. Brass Knob. Brass Cylinder with 5 pin tumblers. Differs almost unlimited.

"UNION" 1088 SPRING LATCH. Case $3\frac{1}{16}" \times 2\frac{1}{2}" \times 1\frac{3}{32}"$. Bronze Enamelled. Backset $2\frac{3}{8}"$. With two Keys.

With B.M.A.	Satin C.P.	Polished C.P. Cylinder
17/-	18/3	18/3 each

Operation of "Union" 1088:—As for "Yale" 99, page 127.

"YALE" 706 SPRING LATCH. For Narrow Stiles. Case $2\frac{1}{4}" \times 2\frac{5}{8}" \times 1\frac{1}{16}"$. Silver Bronze Enamelled. Backset $1\frac{9}{16}"$. With two Keys.

With Brass	B.M.A.	Polished C.P. Cylinder
16/6	17/9	18/6 each

Operation of "Yale" 706:—As for "Yale" 99, page 127.

"YALE" 049 DEAD LOCK. Cast Iron Case $3\frac{1}{16}" \times 2\frac{5}{8}" \times 1"$. Black Japanned. Brass Dead bolt. Brass Knob. Brass Cylinder with 5 pin tumblers. Differs almost unlimited. Backset $2\frac{3}{8}"$.

With two Keys 24/6 each

Operation of "Yale" 049:—From outside by key, from inside by knob.

All prices include Wood Screws.

MASTER-KEYED SUITES AND CYLINDERS TO PASS.

All "Yale" Latches on this page and page 127 have, as standard, a No. 8 Key section; all "Union", a KB502 Key section. They can be supplied, if required, to pass, including Latches and Locks on other pages using the same Key section. Similarly all such Latches and Locks can be supplied in a Master-keyed Suite. Applicable "Extras" are as shown on pages 123 and 124 (except for "Yale" No. 1, quoted on application).

CABINET LOCKS

"UNION" 4110 CUPBOARD LOCK. Brass Case 2" x 1 $\frac{3}{4}$ ". Brass Dead bolt. Brass Cylinder, 1 $\frac{1}{8}$ " diam. x $\frac{7}{8}$ " projection, with 4 pin tumblers. Brass Rose. Suitable for either hand. Differs almost unlimited. Backset $\frac{7}{8}$ ". With two Keys .. 22/6 each

"UNION" 4010 DRAWER LOCK. Brass Case 2" x 1 $\frac{3}{4}$ ". Brass Dead bolt. Brass Cylinder 1 $\frac{1}{8}$ " diam. x $\frac{7}{8}$ " projection, with 4 pin tumblers. Brass Rose. Differs almost unlimited. Drop $\frac{7}{8}$ ". With two Keys .. 22/6 each

Above "Union" Locks have cylinders using KB502 Key section. They may be supplied to pass, or Master-keyed, and in a suite with other locks using this section. For "Extras" see page 123.

The inclusion of a Rose with the above locks permits a slight variation in the thickness of the wood.

"YALE" 096 CUPBOARD LOCK. Brass Case 2" x 1 $\frac{3}{4}$ ". Brass Dead bolt. Brass Cylinder 1 $\frac{1}{8}$ " diam., with 4 pin tumblers. Suitable for either hand. Differs almost unlimited. Backset $\frac{7}{8}$ ". Regularly supplied for $\frac{3}{4}$ " wood, but also available for other thicknesses up to 1 $\frac{1}{2}$ " when specified. With two Keys .. 25/6 each

"YALE" 093 CUPBOARD LOCK. Brass Case 2 $\frac{1}{4}$ " or 2 $\frac{3}{4}$ " x 1 $\frac{7}{8}$ ". Brass Dead bolt. Brass Cylinder 1 $\frac{1}{8}$ " diam., with 4 pin tumblers. Differs almost unlimited. Backset 1 $\frac{1}{8}$ ". Regularly supplied for 1 $\frac{1}{8}$ " wood, but also available for other thicknesses up to 1 $\frac{1}{2}$ " when specified. Please state hand when ordering. (Illustration shows left hand.) With two Keys .. 2 $\frac{1}{4}$ " x 1 $\frac{7}{8}$ " 25/6 each; 2 $\frac{3}{4}$ " x 1 $\frac{7}{8}$ " 25/6 each

"YALE" 095 DRAWER LOCK. Brass Case 2 $\frac{1}{4}$ " or 2 $\frac{3}{4}$ " x 1 $\frac{7}{8}$ ". Brass Dead bolt. Brass Cylinder 1 $\frac{1}{8}$ " diam., with 4 pin tumblers. Differs almost unlimited. Drop $\frac{3}{16}$ ". Regularly supplied for 1 $\frac{1}{8}$ " wood, but also available for other thicknesses up to 1 $\frac{1}{2}$ " when specified. With two Keys .. 2 $\frac{1}{4}$ " x 1 $\frac{7}{8}$ " 25/6 each; 2 $\frac{3}{4}$ " x 1 $\frac{7}{8}$ " 25/6 each

Above "Yale" Locks have cylinders using No. 9 Key section. They may be supplied to pass, or Master-keyed, and in a suite with other cylinder locks using either No. 8 or No. 9 section. For "Extras" see page 124.

Any "Union" or "Yale" Lock on this page can be supplied with a $\frac{7}{8}$ " diam. cylinder, in which case locks of the same make can be Master-keyed, but not with locks shown on other pages.

"CHUBB" 2N96 CUPBOARD LOCK. Brass Case 3" x 1 $\frac{1}{16}$ ". Brass Dead bolt. Five Brass Levers, including "Monitor" Patent, ensuring positive locking. Backset $\frac{3}{4}$ ". Suitable for wood up to 1 $\frac{1}{4}$ " thick. Please state hand when ordering. (Illustration shows left hand.) With two Keys .. 20/3 each

"CHUBB" 2N95. DRAWER LOCK. General specification as 2N96. Drop $\frac{3}{4}$ ". With two Keys. .. 20/3 each

Above "Chubb" locks can be supplied Master-keyed, but not with "Chubb" locks shown on other pages.



"UNION" 4110



"UNION" 4010



"YALE" 096



"YALE" 093



"YALE" 095



"CHUBB" 2N96



"CHUBB" 2N95



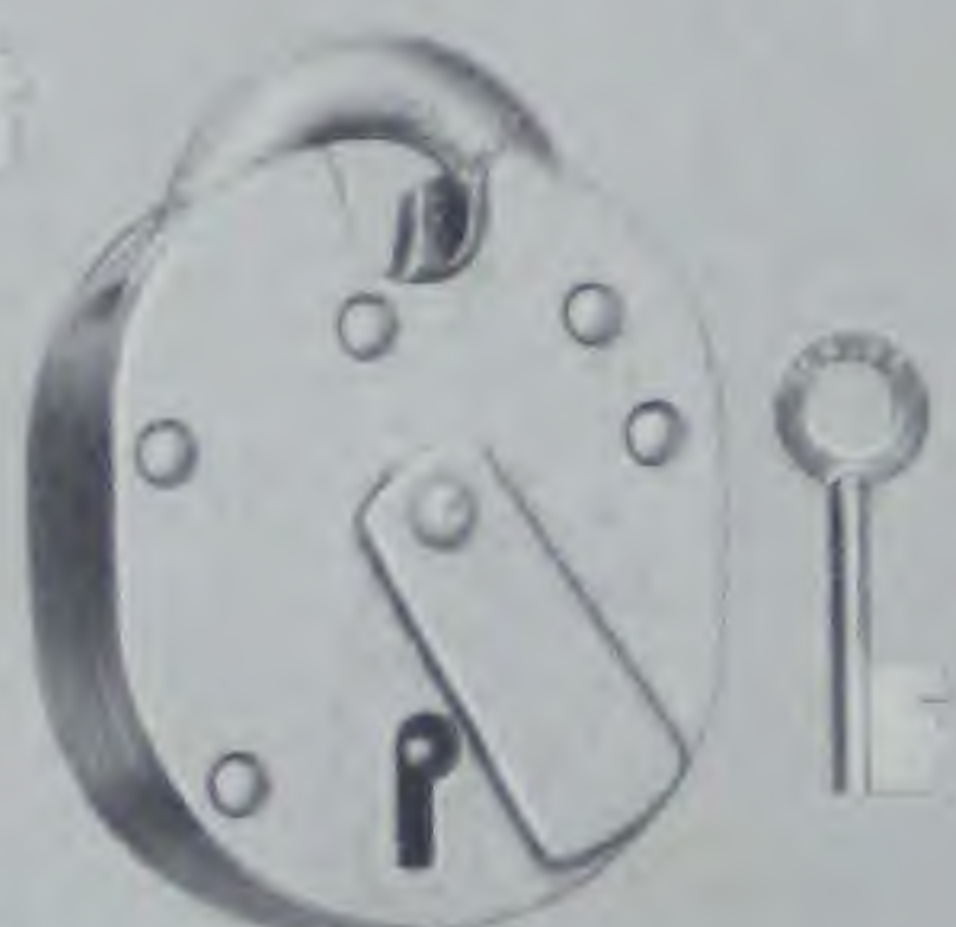
"YALE" 1038



"UNION" 3102



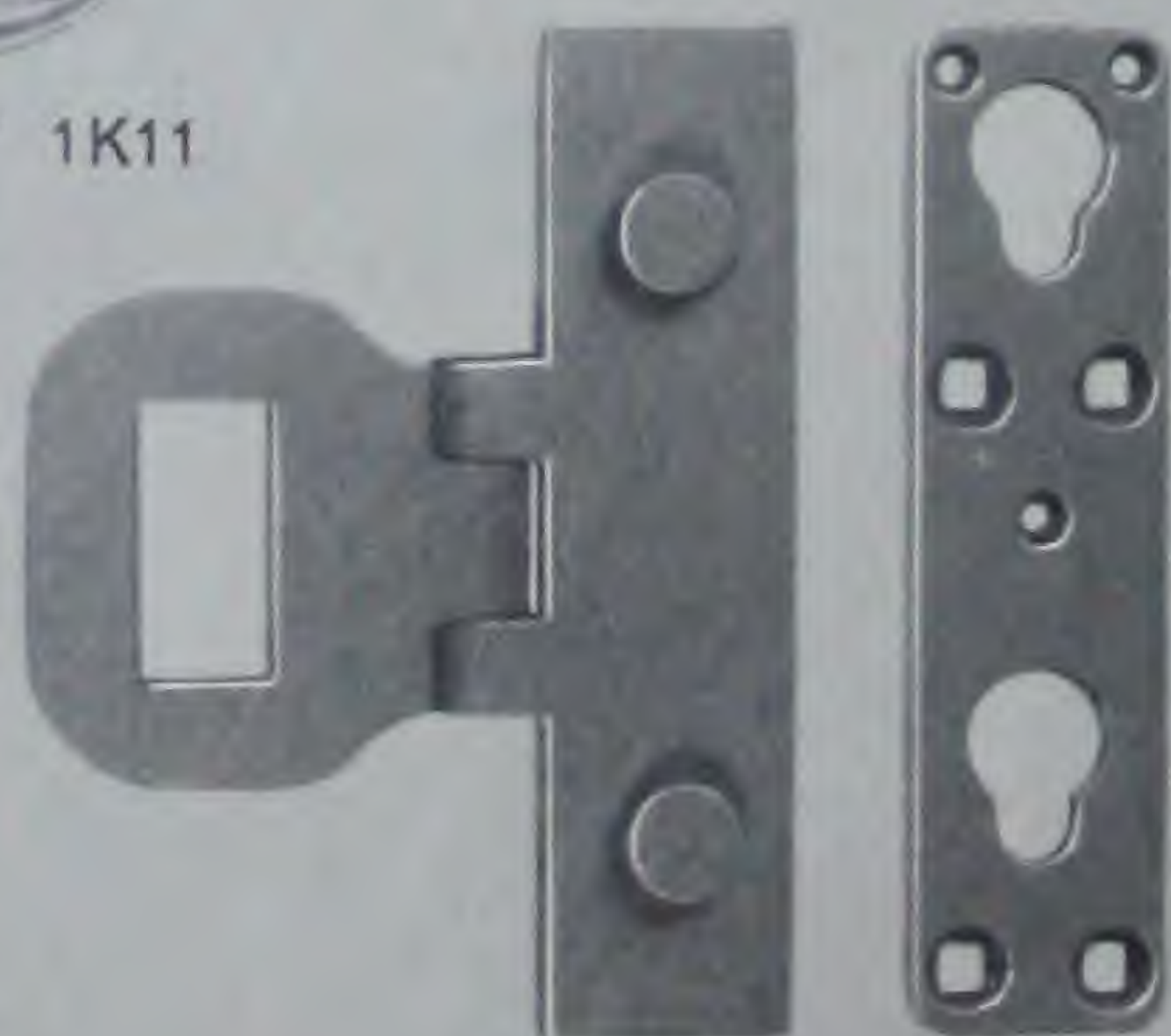
"CHUBB" 1K59



"CHUBB" 1K21



"CHUBB" 1K11



"CHUBB" 7008



"CHUBB" 7005

PADLOCKS AND PADLOCK BARS

"YALE" 1038 CYLINDER PADLOCKS. Bronze Case and Shackle. 5 pin tumblers. Differs almost unlimited. Spring closing and opening.

Size of case	..	2"	2½"
Shackle diam.	..	⅜"	7/16"
Takes bar, diam.	..	¾"	1"
With two Keys	..	39/-	43/6 each

"UNION" 3102 CYLINDER PADLOCK.

Brass Case. Bronze Shackle. 5 pin tumblers. Differs almost unlimited. Spring closing and opening.

Size of case	..	1½"	2"	2½"
Shackle diam.	..	¼"	⅜"	7/16"
Takes bar, diam.	..	5/8"	7/8"	1 3/16"
With two Keys	..	18/6	20/6	27/- each

N.B.—"Yale" 1038 and "Union" 3102 Padlocks have cylinder using Key sections No. 8 and KB502 respectively. They may be supplied to pass, or Master-keyed, and in a suite with other cylinder locks using the same section. For "Extras", see pages 123 and 124.

"CHUBB" 1K59 PADLOCK. Steel Case, Sherardized and Grey Enamelled. Hardened Steel Shackle. 5 Levers.

Size of case	..	2"	2½"	3"
Shackle diam.	..	7/16"	½"	9/16"
Takes bar, diam.	..	5/8"	¾"	7/8"
With two Keys	..	17/6	20/3	24/3 each

"CHUBB" 1K21 PADLOCK.

Laminated Steel Case, Sherardized and Grey Enamelled. Hardened Steel Close Shackle. 5 Levers. Size of Case 2 7/8". Shackle diam. ½". Takes 5/8" diam. bar.

With two Keys 41/6 each

"CHUBB" 1K11 PADLOCK. Solid Drop Forged Steel Rivetless Case, Sherardized and Grey Enamelled. Hardened Steel Close Shackle. 6 Levers. Size of Case 2½". Shackle diam. ½". Takes 5/8" diam. bar.

With three Keys 54/6 each

N.B.—"Chubb" Padlocks include the "Monitor" Patent Lever, ensuring positive locking, and have a large number of differs. Padlocks of the same pattern number and size may be supplied Master-keyed, if required, at extra charge, but not in a suite with other Chubb Locks.

"CHUBB" 7008 PADLOCK BAR. Steel, Grey Enamelled. Hardened Steel Staple with 5/8" eye. Hinge pin protected by weld. Concealed fixing. Plate 7" x 2".

Width overall 5½" 37/- each

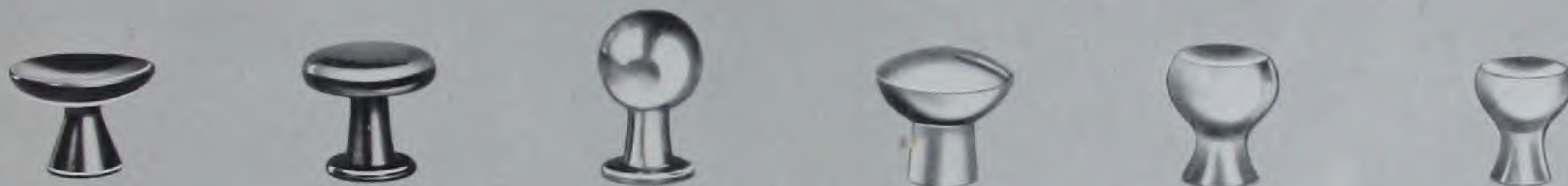
"CHUBB" 7005 PADLOCK BAR.

Malleable Iron, Sherardized and Grey Enamelled. Hardened Staple with 5/8" eye. Strengthened knuckle joint and welded hinge pin. Secure fixing through door.

Size overall 11" x 3¼" x 3/8" 61/6 each

CUPBOARD AND DRAWER FITTINGS

CUPBOARD KNOBS



2906 8301 8300 8305 8306 8307

	Diameter of Knob	2906			8301	8300	8305	8306	8307	
		1"	1 1/4"	1 1/2"	1 1/8"	7/8"	1"	1"	7/8"	
B.M.A. Finish on Brass	..	25/-	31/-	37/-	—	—	—	43/-	37/-	dozen
Real B.M.A.	—	—	—	90/-	90/-	—	—	—	"
Satin C.P.	29/6	37/6	44/6	100/-	100/-	—	49/6	44/-	"
Polished C.P.	29/6	37/6	44/6	100/-	100/-	—	49/6	44/-	"
Satin Brass	—	—	—	88/-	88/-	—	40/-	34/-	"
Silver Anodised	27/-	31/-	34/-	—	—	—	37/-	34/-	"
Satin Silver Anodised	28/6	33/-	36/-	—	—	33/6	37/-	34/-	"

2906 also available in Satin Nickel Bronze—Prices as for Satin C.P.

8305—Price includes fitted Wood Screw for front-fixing. Remainder—Prices include bolts for back-fixing.



2902 2978 2905 8309 8308 4602

	Diameter of Knob	2902	2978	2905	8309	8308	4602	
		1"	1 1/2"	1 1/4"	1 1/4"	1 1/4"	1 3/8"	
Real B.M.A.	64/6	73/6	—	—	—	—	dozen
Polished C.P.	84/-	92/-	—	—	—	—	"
Silver Anodised	—	—	18/6	—	—	—	"
Clear Perspex, Diamond Cut	—	—	—	78/-	78/-	78/-	"

8309, 8308 and 4602 match Knob Furniture 4585, 4583 and 7505, page 65, and are also available in colours.

2902 and 2978—Prices include fitted Wood Screws for front-fixing.

Remainder—Prices include bolts for back-fixing.

CUPBOARD AND DRAWER FITTINGS

CABINET HANDLES



5135

8310

5162

8311

8312

		5135	8310	5162	8311	8312
	Length overall	4"	6"	3 $\frac{3}{4}$ "	4" 4 $\frac{3}{4}$ " 6"	3 $\frac{3}{4}$ "
B.M.A. Finish on Brass	.. ..	—	—	32/6	—	— dozen
Satin C.P.	" " ..	—	—	40/6	—	— "
Polished C.P.	" " ..	30/-	51/-	40/6	—	— "
Silver Anodised	.. ..	16/-	21/-	31/6	—	33/6 "
Satin Silver Anodised	.. ..	—	—	33/-	26/9 34/- 52/6	34/6 "

8311—Prices include Wood Screws for front-fixing.

Remainder—Prices include bolts for back-fixing.



5154

5141

8313

8314

8315

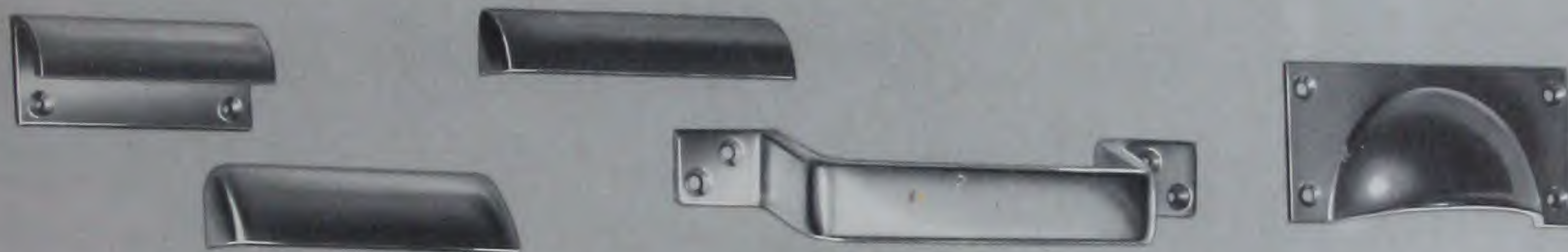
		5154	5141	8313	8314	8315
	Length overall	3 $\frac{1}{4}$ " 4" 5"	4" 4" 4"	4" 4" 4"	4 $\frac{1}{4}$ "	dozen
Real B.M.A.	.. ..	117/-	122/-	128/-	—	—
B.M.A. Finish on Diecast Alloy	.. ..	—	—	—	18/-	— "
Satin C.P. on Brass	.. ..	122/-	128/-	133/-	—	— "
Polished C.P. on Diecast Alloy	.. ..	—	—	—	19/-	— "
Satin Brass	.. ..	100/-	106/-	111/-	—	— "
Silver Anodised	.. ..	—	—	—	18/6	21/- 21/- "
Satin Silver Anodised	.. ..	—	—	—	20/- 22/6	22/6 "

Prices include bolts for back-fixing.

5154 matches Grip Handle 6632, page 24.

CUPBOARD AND DRAWER FITTINGS

DRAWER PULLS



8303	8338 "Ogro"	8302	8320 "Ogro"			8317			
			8303			8338	8302	8320	8317
			2½"	2¾"	4"	3¾"	3½"	6"	3¾"
Real B.M.A...	—	—	—	—	79/—	—	88/— dozen
B.M.A. Finish on Brass	—	45/—	65/—	—	—	—	— "
Satin C.P.	—	51/—	80/—	—	96/—	—	— "
Polished C.P.	—	48/—	80/—	—	—	—	— "
Satin Brass	—	41/—	61/—	—	79/—	—	— "
Silver Anodised	—	35/—	—	—	—	—	— "
Satin Silver Anodised	37/—	—	—	92/—	—	82/6	— "

8338 also available with fitted Card Frame.

8338 and 8302—Prices include bolts for back-fixing. 8303, 8317 and 8320—Prices include Wood Screws for front-fixing.

FLUSH PULLS

CARD FRAMES



	1620	1624 & 8316 "Ogro"	1622	8318	8319				
	1620	1624	8316	1622	8318	8319			
	3½" × 1½"	3½" × 1¼"	3½" × 1¼"	2⅞"	2" × 1½"	2½" × 1¼"	3" × 1½"	3½" × 1½"	2⅞" × 2"
Real B.M.A.	126/-	99/-	—	—	—	62/-	69/-	78/-	— dozen
B.M.A. Finish on Brass	—	—	—	76/-	—	—	—	—	—
Satin C.P.	147/-	117/-	—	98/-	—	77/-	86/-	97/-	— "
Polished C.P.	147/-	117/-	—	98/-	—	—	—	—	— "
Satin Brass	126/-	99/-	—	71/-	—	58/-	65/-	73/-	— "
Silver Anodised	—	—	—	41/-	—	—	—	—	— "
Satin Silver Anodised	—	—	43/-	44/-	40/-	—	—	—	65/- "

Card Frames—dimensions given are Card sizes.

Prices include Wood Screws for fixing.

8319 has concealed fixing.

CUPBOARD FITTINGS

CUPBOARD CATCHES, ETC.



	4509	4510	2052	2749 & 2577	2575	2570
4509	CUPBOARD CATCH SET. Diecast Alloy Handle, $4\frac{1}{4}$ ". Brass Diecast Alloy Catch, $1\frac{1}{2}$ " x $1\frac{1}{2}$ ".					
	With Florentine Bronzed Handle ..	96/- doz.	With Polished C.P. Handle ..	96/- doz.		
4510	CUPBOARD LOCK SET. Diecast Alloy Handle, $4\frac{1}{4}$ ". With Disc Tumbler Lock and two Keys. Brass Diecast Alloy Latch: $1\frac{1}{2}$ " x $1\frac{1}{2}$ ".					
	With Florentine Bronzed Handle ..	114/- doz.	With Polished C.P. Handle ..	114/- doz.		
2052	CUPBOARD CATCH.	$1\frac{1}{4}$ " Rose.	B.M.A. Finish on Diecast Alloy ..	34/6 doz.		
			Polished C.P. on Diecast Alloy ..	52/- "		
2749	"	"	$1\frac{7}{8}$ " x $1\frac{5}{16}$ ". B.M.A. Finish on Brass ..	99/- doz.		
			Polished C.P. on Brass ..	117/- "		
2577	"	"	$1\frac{1}{2}$ " x 1". Silver Anodised ..	56/- doz.		
2575	"	"	Plate, $1\frac{3}{4}$ " x $\frac{1}{2}$ ". Overall length, $3\frac{1}{8}$ ".			
			B.M.A. Finish on Brass ..	52/- doz.	Polished C.P. ..	70/- doz.
2570	"	"	Overall size, $2\frac{3}{8}$ " x $1\frac{3}{4}$ ". Diecast Alloy.			
			All Cream 47/6 doz.	Polished C.P. 57/6 doz.	C.P. with Cream Trigger	57/6 doz.



	2161	2799	2463	1024	2768	2770	4275
2161	CUPBOARD CATCH. Mortice Pattern. Nylon, with Forend $1\frac{5}{8}$ " x $\frac{5}{8}$ ". Requires hole $\frac{1}{2}$ " diam. x $\frac{3}{4}$ " deep.						13/- doz.
2799	"	"	Nylon. $1\frac{1}{2}$ " x $\frac{5}{8}$ " ..				12/- "
2463	"	"	Mortice Pattern. Brass.				
			Size 2 3 4 5 6 7 8 9				
			Plate $1\frac{1}{8}$ " x $\frac{3}{8}$ " $1\frac{1}{4}$ " x $\frac{1}{2}$ " $1\frac{1}{2}$ " x $\frac{5}{8}$ " $1\frac{5}{8}$ " x $\frac{5}{8}$ " 2" x $\frac{3}{4}$ " $2\frac{1}{4}$ " x $\frac{7}{8}$ " $2\frac{1}{2}$ " x 1" $2\frac{3}{4}$ " x $1\frac{1}{4}$ "				
			8/- 8/6 9/3 9/6 10/9 15/3 24/9 46/-				doz.
1024	"	"	Brass. $1\frac{1}{16}$ " x $\frac{5}{16}$ ". Double Ball Action.				11/6 doz.
2768	"	"	Zinc Plated Steel. $1\frac{5}{16}$ " x $\frac{11}{16}$ ". Rubber Roller				8/6 "
2770	"	"	" " " $1\frac{1}{4}$ " x $\frac{11}{16}$ ". Double Rubber Rollers				12/9 "
4275	COUNTER FLAP CATCH. Projection, $2\frac{1}{2}$ ". Real B.M.A. ..						14/- each
						Satin C.P. ..	16/6 "

All prices except 2463, 1024, 2768 and 2770 include Wood Screws for fixing.

CUPBOARD AND BOOKSHELF FITTINGS

SLIDING DOOR TRACK AND ACCESSORIES



881	Fibre Track. For Grooving-in. In 6 ft. lengths	Size 1 ($\frac{1}{2}'' \times \frac{5}{32}''$) 4/6; Size 2 ($\frac{9}{16}'' \times \frac{7}{32}''$) 6/- length
882	" " For Surface Fixing. In 6 ft. lengths	" " ($\frac{7}{16}'' \times \frac{1}{4}''$) 6/6; " " ($\frac{1}{2}'' \times \frac{5}{16}''$) 9/6 "
880	Nylon Sliders. For use with 881 and 882. Size 1 ($1\frac{1}{4}'' \times \frac{1}{2}'' \times \frac{7}{16}''$ height) 5/3 doz; Size 2 ($2\frac{1}{4}'' \times \frac{7}{16}'' \times \frac{1}{2}''$ height) 7/9 doz.	
886	Nylon Top Guide. $\frac{1}{2}''$ wide, with $\frac{1}{4}''$ pin	6/9 "
885	Fibre " " " " " $\frac{3}{8}''$ roller	11/9 "
887	Brass Retractable Top Guide. $\frac{1}{2}''$ wide, with $\frac{5}{16}''$ roller	29/- "
888	As 887, but $\frac{3}{8}''$ wide, with $\frac{3}{8}''$ roller	32/- "
883	Fibre Double Bottom Track. For $\frac{1}{4}''$ plate glass. In 6 ft. lengths. $1'' \times \frac{1}{2}''$, with grooves $\frac{1}{4}''$ deep	27/- length
884	" " Top " " As 883, but with grooves $\frac{3}{8}''$ deep	27/- "

Bottom and Top Tracks are also available for $\frac{3}{16}''$ plate, and with Single and Treble Grooves for $\frac{1}{4}''$ plate.



829 "Cubbard" Gear Set, comprising:—
Four Bottom Rollers "A", for mortising into bottom of door, $2\frac{7}{8}'' \times 1\frac{1}{16}'' \times \frac{3}{16}''$, Cadmium plated Steel with Nylon wheels; two Bottom Tracks "C", Light Alloy, $\frac{3}{16}'' \times \frac{5}{16}''$; two Top Rails "D", Steel, $\frac{3}{16}'' \times \frac{3}{16}''$; and four Top Guides "E", Nylon, $\frac{3}{4}''$ wide.

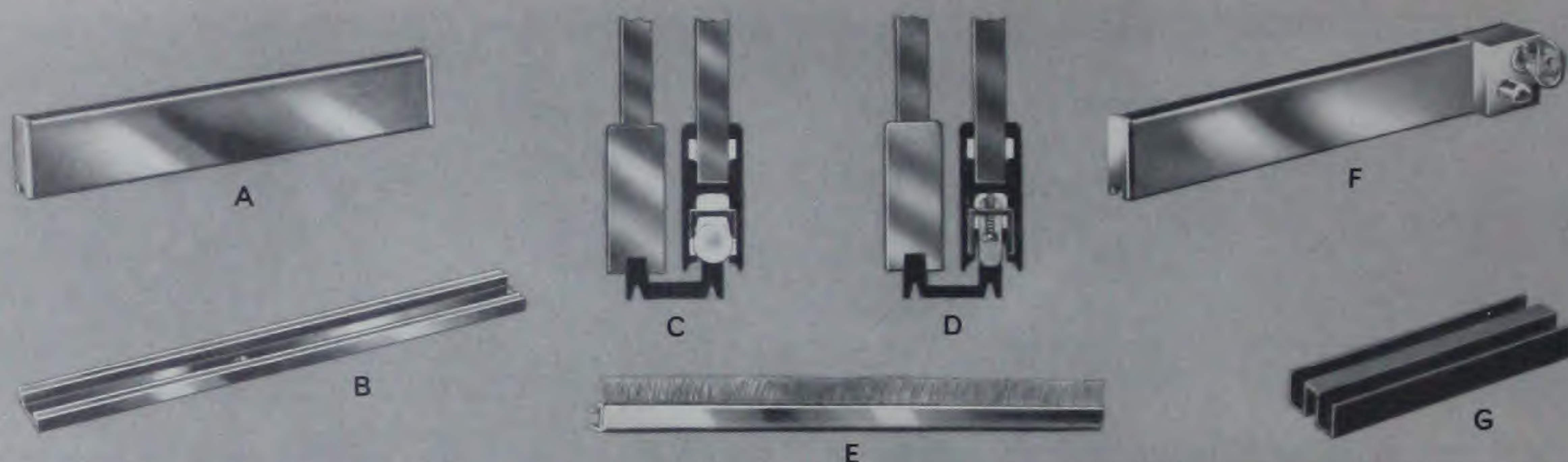
835 "Cubbard" Gear Set, comprising:—
Four Bottom Rollers "B", for fixing flush to rear face of door, $2\frac{7}{8}'' \times 1\frac{7}{16}'' \times \frac{3}{16}''$, Cadmium plated Steel with Nylon wheels; and all other components as in 829 Set above.

	Overall Width of Opening	3	4	5	6 ft.	
829 Set (including screws)	.. ..	16/3	19/-	21/9	24/6	each
835 " " " "	.. ..	17/6	20/3	23/-	25/9	"
1532	Aluminium Bookshelf Strip, $\frac{3}{4}'' \times \frac{3}{4}''$. For Grooving-in. In 6 ft. lengths	..	..	..	..	4/3 length
1533	Steel Studs, Sherardized .. ..	..	..	..	..	2/- doz.

Two strips are required for each end of shelf, and one stud per foot of strip (approx.).

Also available in Steel and Brass, and in various finishes—details on request.

SLIDING GLASS DOOR FITTINGS



DORMA "SELECTA"

For $\frac{1}{4}$ " plate Frameless Glass Sliding Doors.

Polished Lightmetal channel, with Nickel plated Brass Track.

A=Bottom Channel with End
Cap fitted.
B=Double Bottom Track.

C=Section of Ball Bearing Set.
D=Section of Wheel Bearing Set.
E=1061 Dustproof Strip.

F=1000 Cylinder Lock fitted
to Bottom Channel.
G=Double Top Guide Channel.

COMPLETE ASSEMBLED SETS

For One Pair of Doors, to pass each other. Each set comprising:—

- 1 Double Bottom Track.
- 2 Bottom Channels, each 1" longer than half the opening width, assembled with Ball Bearings or Wheel Bearings and End Caps.
- 1 Plastic Double Top Guide Channel.

		For opening width	3'	4'	5'	6'	7'	
1023/D set.	With Ball Bearings	.. .. .	63/-	83/6	105/-	125/-	145/-	set
1024/D set.	With Wheel Bearings	.. .. .	74/-	98/6	123/-	148/-	172/-	"

Where intermediate lengths are required, the nearest size above is supplied. Cutting down to the actual length required is easily carried out, instructions being included with each set.

The standard sets priced above are for glass weights not exceeding 60 lb. per door. Wheel Bearing sets only can also be supplied with extra bearing units to suit glass weights up to a maximum of 130 lb.

N.B.—If weight of door is between 60 lb. and 130 lb., please state approximate weight when ordering. (1 square foot of $\frac{1}{4}$ " plate glass weighs $3\frac{1}{2}$ lb.)

Dorma "Selecta" Sliding Door Gear is also available in sets for a Single Door, for opening widths as above, comprising 1 single track and 1 bottom channel, cut in a length for a door half the width of the track plus 1", assembled with Ball or Wheel Bearings.

ACCESSORIES

- 1000 Cylinder Lock. For fitting to end of Bottom channel. In Nickel Plated Brass case, with two Keys 29/- each
(Please state hand required when ordering. Illustration shows right hand.)
- 1061 Dustproof Strip. In Nickel Plated Brass Holder. Clips to edge of one door.
With brush seal, preventing entry of dust 4/10 per ft.
- 1062A Rubber Buffers. Where there are two doors on one track, these buffers can be fixed to the end caps of the channel. 1/1 each

HANDRAILS AND FITTINGS



3644



3677



5312

3644	HANDRAIL BRACKET.	Plate, 2½" diam.										Projection 2½"	
	B.M.A. Finish on Brass	..	..	..	..	..	..	..	..	..	..	10/6	each
	Satin C.P. on Brass	..	..	..	..	..	..	..	..	..	..	12/6	"
3677	HANDRAIL BRACKET.	Plate, 2" diam.										Projection 2½"	3"
	Real B.M.A.	..	..	..	..	..	..	..	..	..	..	11/6	13/- each
	Satin C.P.	..	..	..	..	..	..	..	..	..	..	13/9	15/6 "
	Silver or Satin Silver Anodised	..	..	..	..	..	..	..	..	..	..	16/6	— "
5312	HANDRAIL.	Complete with Brackets and Caps. B.M.A. or Satin C.P. Made up in any size, in straight runs or shaped to requirements. Prices quoted on receipt of details.											

GRILLES AND PANELS



5331



5332

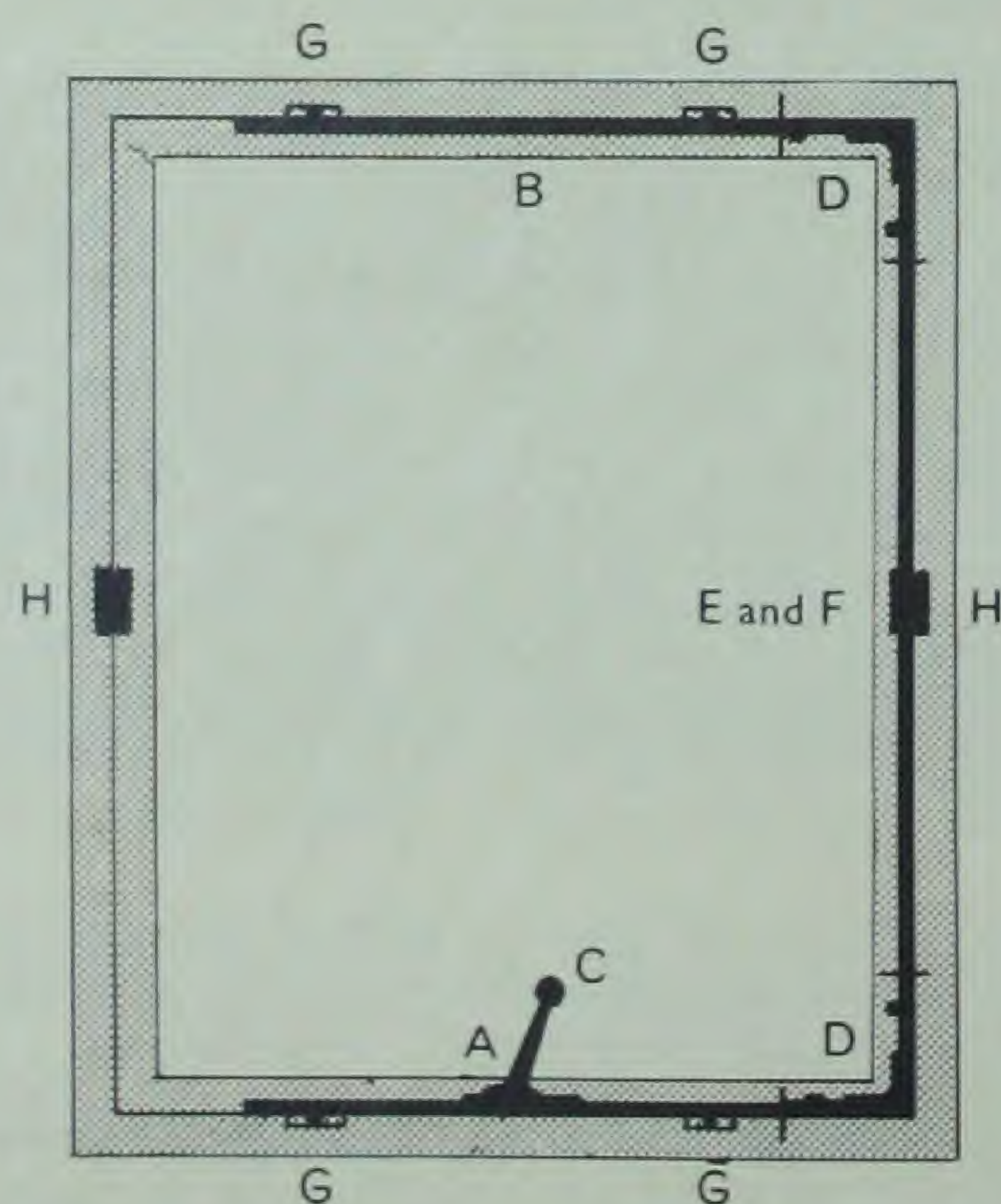
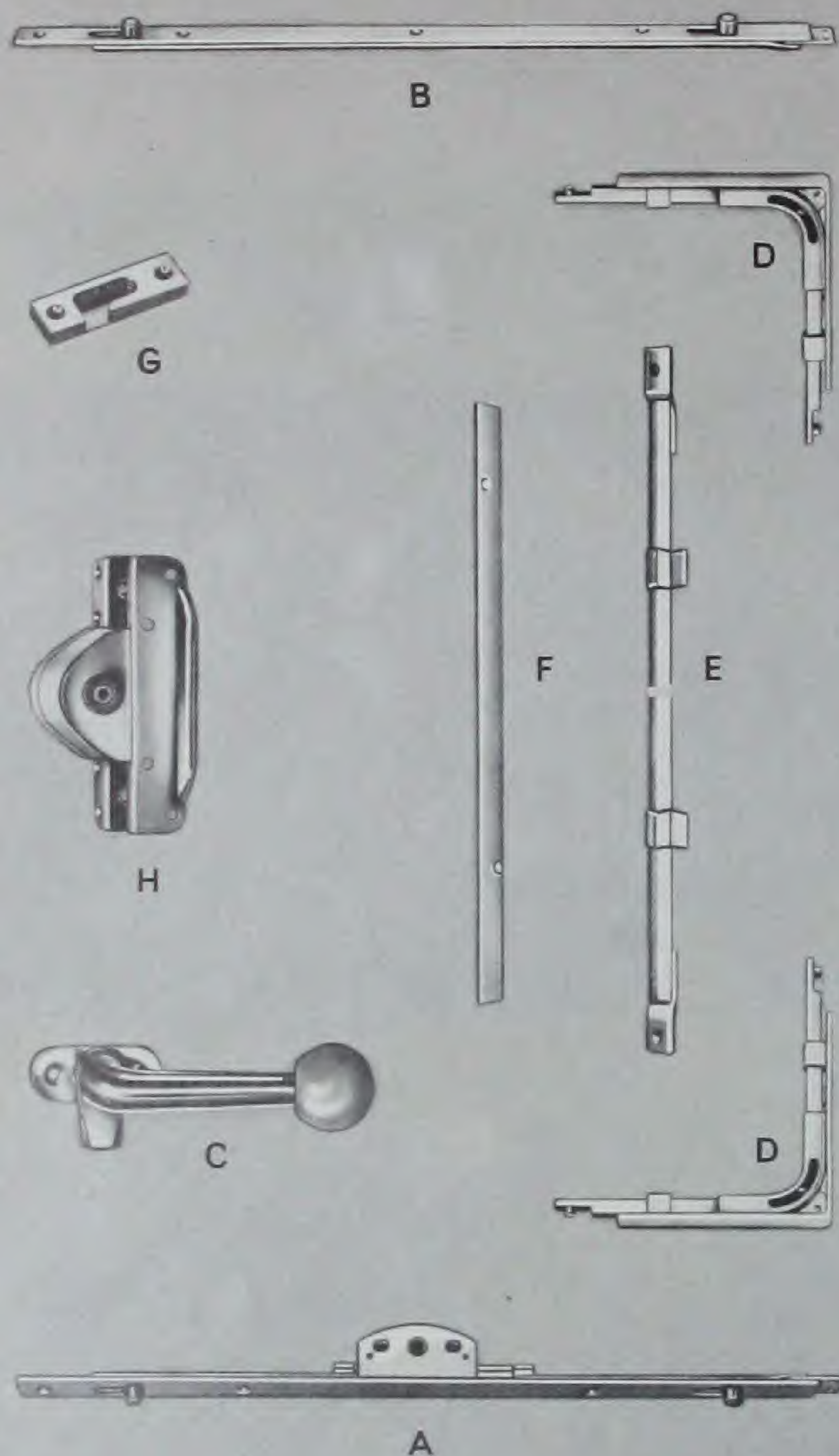


5333

The above illustrations are about half actual size and show Flat Mesh, suitable for Counter Grilles, Radiator or Ventilator Grilles and a variety of other purposes. Available in Brass or Bronze in various finishes. Also in Steel, Brown Bronzed, etc. All patterns can be supplied with flat strip frame as illustrated above for 5333, or unframed.

COUNTER GRILLES are available in a number of standard patterns. One of the most popular incorporates Square Section Pillars and Rails, with Flat Mesh Panels.

Details and prices on application.



WINDOW FITTINGS

"ABO" WINDOW BOLTS

With the ever-increasing use of central heating and especially air-conditioning, an effective system of window operation ensuring draught-free closure is essential to obtain maximum efficiency.

"Abo" continental type Window Bolts are designed to lock the window tightly to the frame at several points simultaneously. This is achieved unobtrusively, the bolt being mortised into the edge of the window. They are particularly suitable for Wood Windows pivoted horizontally or vertically, but they can also be used on side-, top- or bottom-hung windows.

"Abo" Type 1218 comprises:—

- A. Mechanism with gear case.
- B. Mechanism without gear case.
- C. Operating handle. Satin Silver Anodised, with Ivory plastic knob.
- D. Corner transmissions.
- E. Side connecting rods.
- F. Cover rail for "E".
- G. Closing cams.
- H. Friction pivot hinges.

The basic unit "A" secures the window on one edge only, but the device can be made to operate on the opposite edge of the window by the addition of corner transmission pieces "D", together with extension rails "E" and locking mechanism "B".

Basic unit "A" can be supplied separately if it is intended to secure the window on one edge only, and is available in a range of standard lengths for this purpose.

Diagram on the left shows the arrangement of the various components of a type 1218 "Abo" Window Bolt when fitted to a horizontally pivoted window.

Prices on application.

WINDOW FITTINGS

"ABO" WINDOW BOLTS

"Abo" Window Fittings are ideally suited to windows where double glazing is to be used. Their unique locking system ensures draught-free sealing.

On this page are shown two further patterns from the varied range of "Abo" Window Bolts.

"Abo" Type 1216 comprises:—

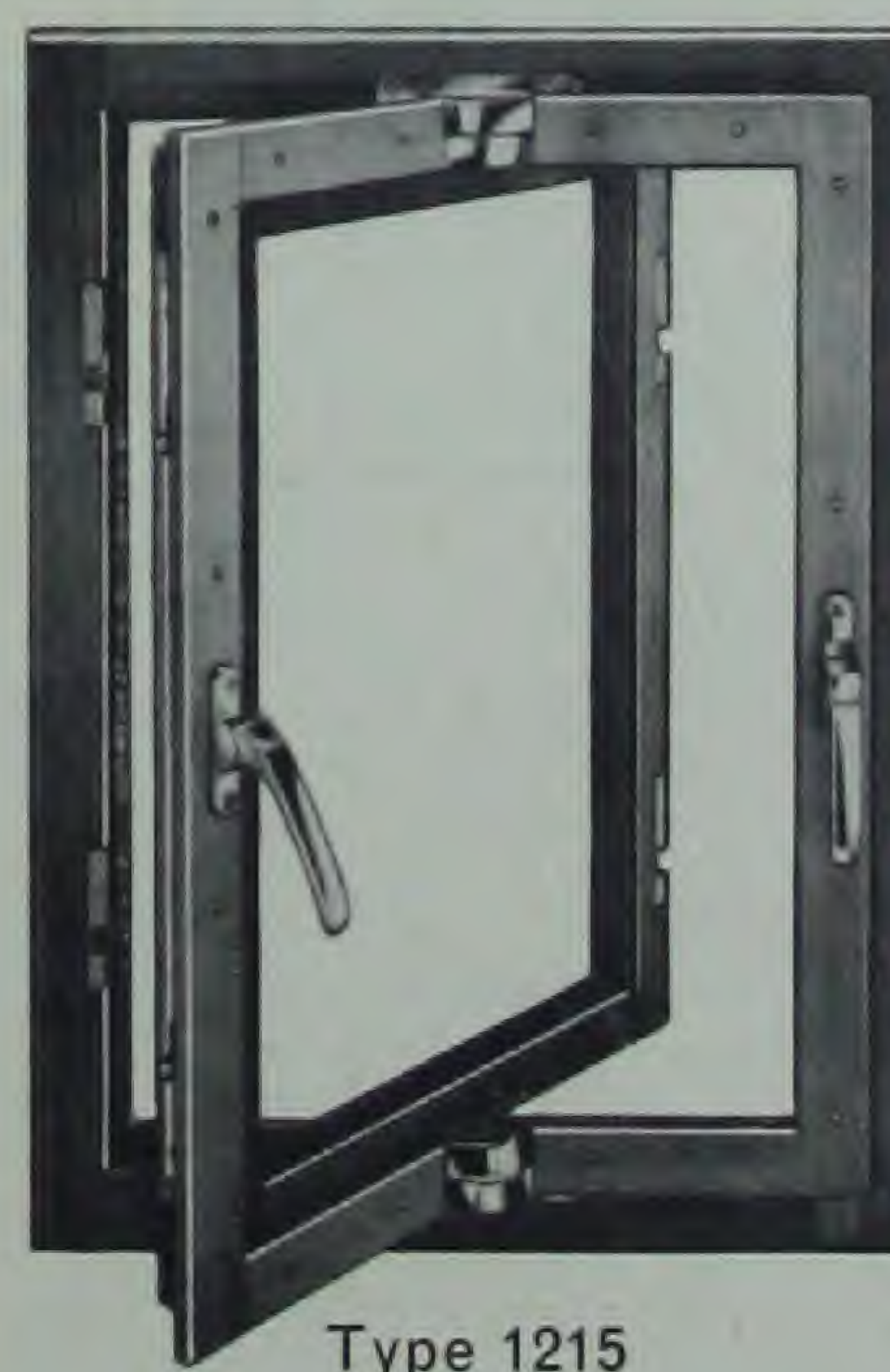
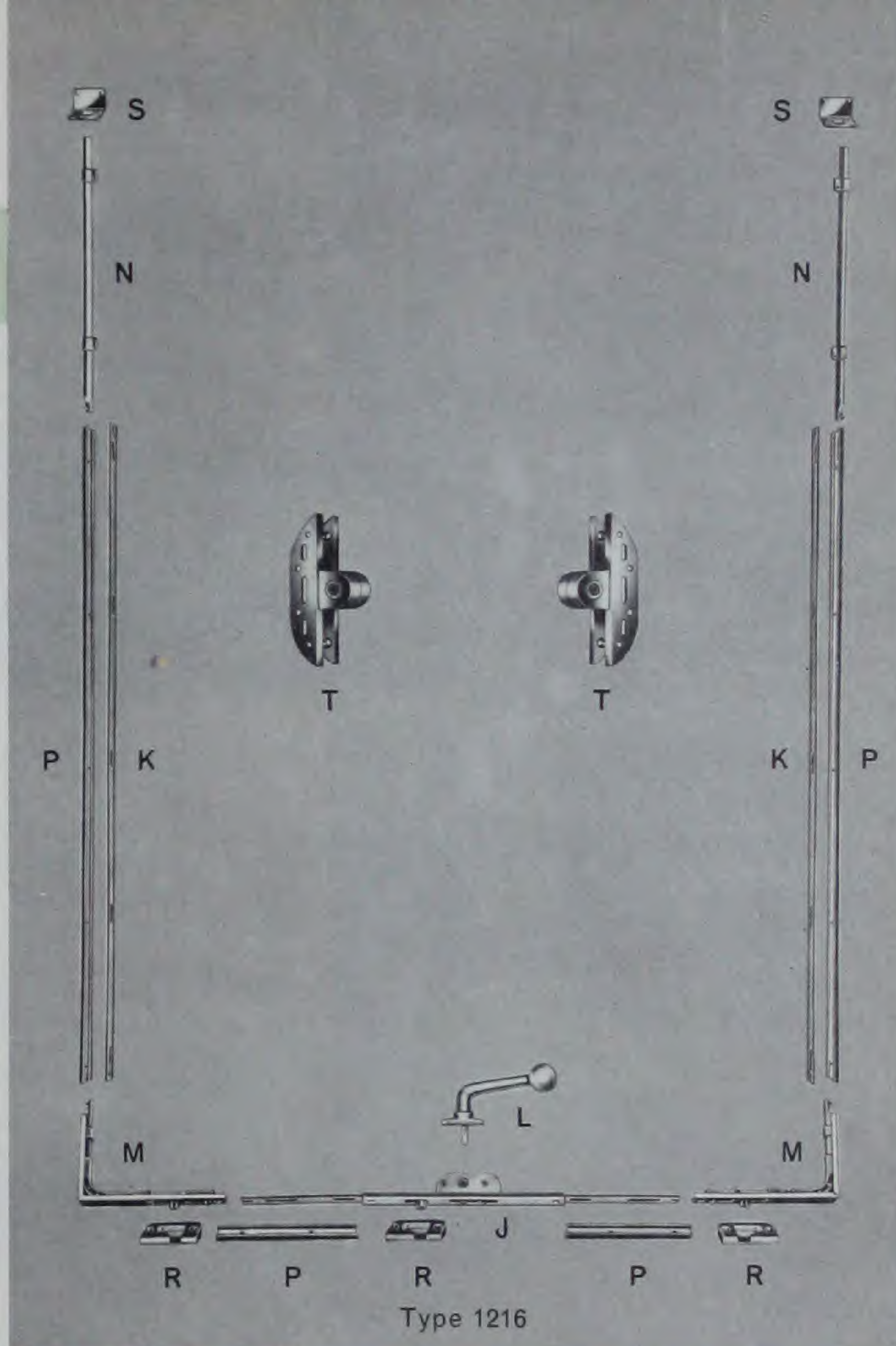
- J. Mechanism with gear case.
- K. Side connecting rails.
- L. Operating handle. Satin Silver Anodised, with Ivory plastic knob.
- M. Corner transmissions with roller bolts.
- N. Side locking bars.
- P. Cover rails.
- R. Closing cams.
- S. Corner sockets.
- T. Friction pivot hinges.

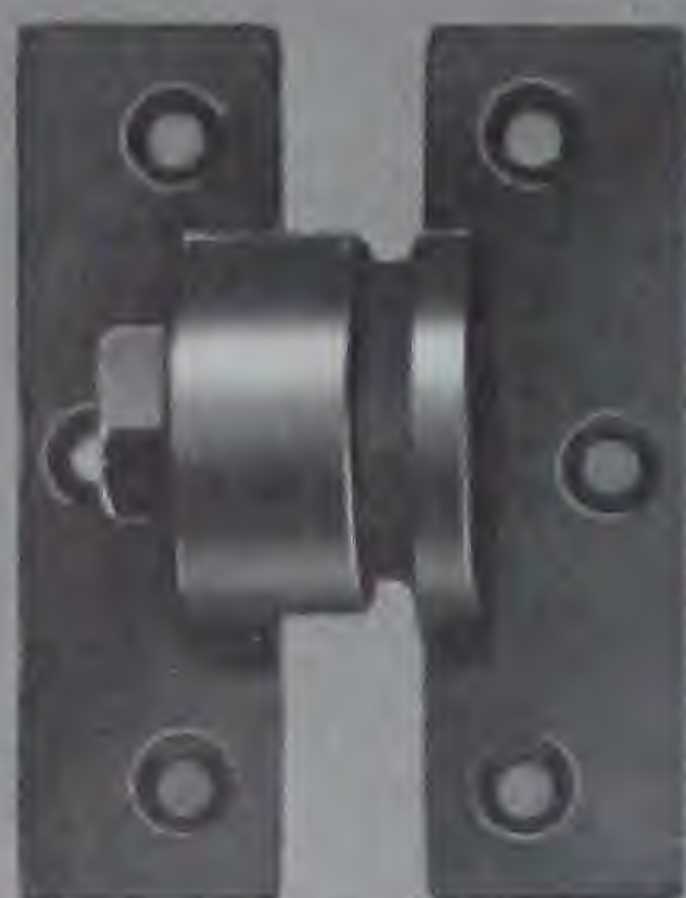
The basic unit "J" has one roller bolt only and is connected to the corner transmission pieces "M", each of which has one roller bolt. Side connecting rails "K" terminate in side locking bars "N", which engage in sockets "S" fitted flush at the head.

"Abo" Type 1215. This pattern is shown fitted to a vertically pivoted window, using friction pivots. The bolts, which may be fitted to one or both vertical edges of the window, are of the basic unit type, similar to "A" on page 138, but with a modified gear case to suit the lever type operating handle, which secures the window tightly when fully depressed.

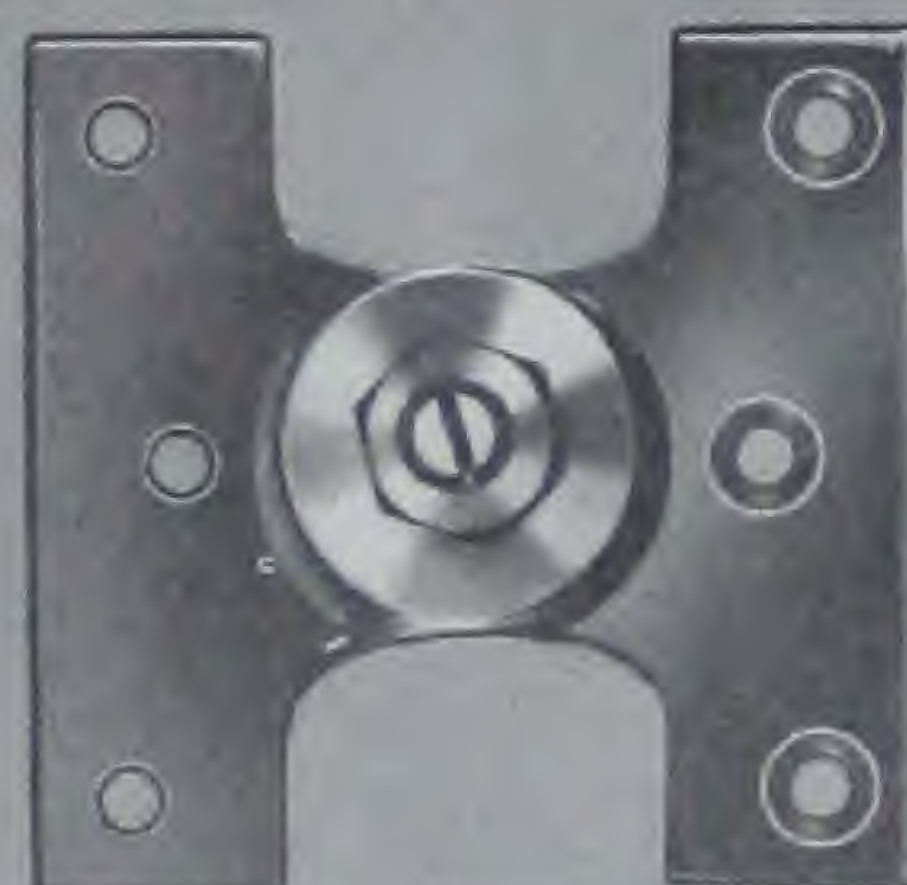
Certain types of "Abo" Window Bolts may require special joinery sections. Details of these sections, together with any other information required, will be gladly sent on request.

Prices on application.





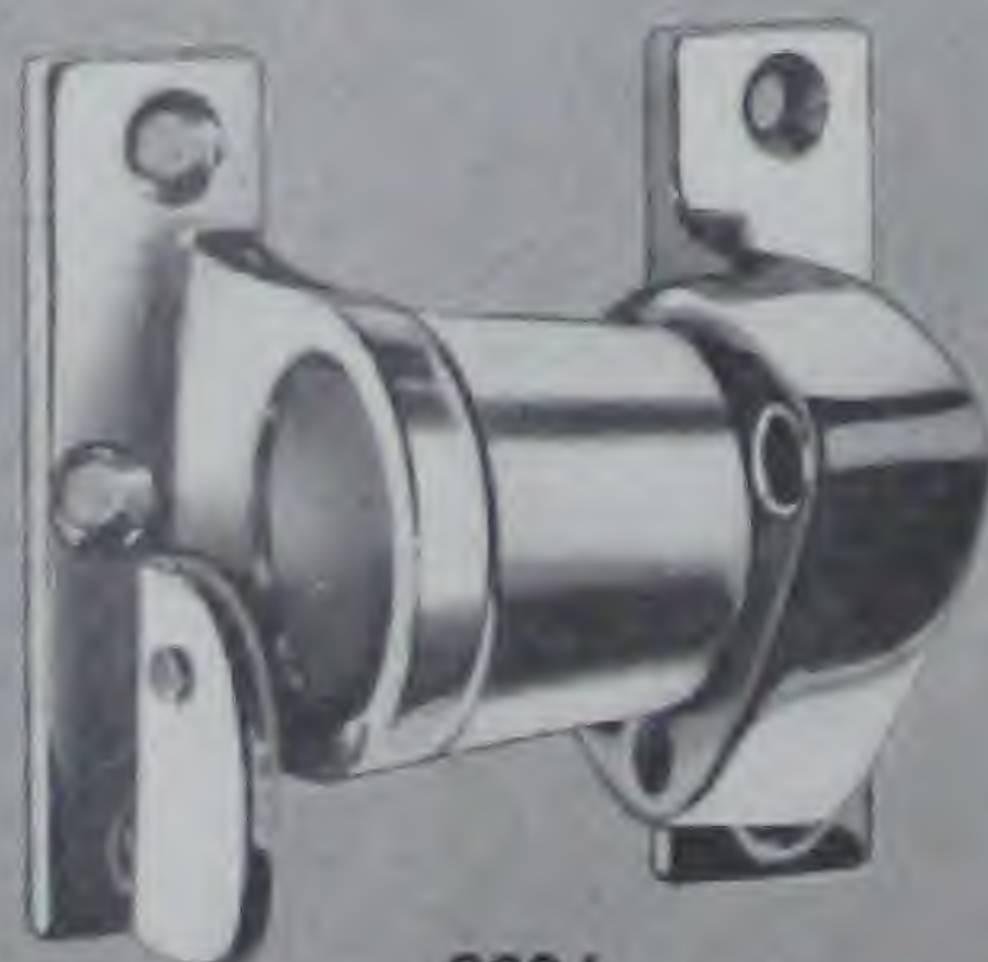
8832
Face fixing



8832
Flush fixing



8833
Semi-flush fixing



8834
Face fixing



8835



8836



8837

WINDOW FITTINGS

ADJUSTABLE FRICTION PIVOTS. For Horizontally Pivoted Windows.

8832 For Windows up to 12 sq. ft. Plate size, $2\frac{3}{4}'' \times \frac{13}{16}''$.

Distance between plates (types A and B), $\frac{7}{16}''$.

Type A.—Face fixing. Type B.—Semi-flush fixing.

Type C.—Flush fixing.

	Sherardized Malleable Iron	Real B.M.A.	Satin C.P.
All types	14/—	26/—	27/— pair

8833 For Windows up to 16 sq. ft. Plate size, $2\frac{3}{4}'' \times \frac{13}{16}''$.

Distance between plates (types A and B), $1\frac{3}{16}''$; (type C), $\frac{15}{16}''$.

Type A.—Face fixing. Type B.—Semi-flush fixing.

Type C.—Flush fixing.

	Sherardized Malleable Iron	Real B.M.A.	Satin C.P.
All types	16/—	32/—	33/— pair

8834 For Windows up to 16 sq. ft. With automatic locking device incorporating a spring release in one pivot to hold window at 7° or 35° , also a further stop at 168° to hold window in reversed position. Plate size, $2\frac{3}{4}'' \times \frac{3}{4}''$. Distance between plates, $1\frac{1}{2}''$. Face fixing only.

Real B.M.A. 44/— pair. Satin C.P. 52/— pair

Illustration of 8834 shows locking device in left hand pivot. Also available in right hand pivot.

SLIDING FRICTION STAY. 8". For Horizontally Pivoted Windows.

8835 Stay disengages to reverse window for cleaning. Suitable for use with 8649 Backflap Hinges (see page 110).

Silver Anodised Aluminium 4/6 each

A Safety Bar is available for use with 8835 Stay. This incorporates a bolt which locks the window in the cleaning position—details and price on application.

COCKSPUR FASTENER. For Horizontally or Vertically Pivoted Windows.

8836 Face-fixing. (If for Vertically Pivoted Windows, please state hand required).

Silver Anodised Aluminium 9/— each

DUPLEX COCKSPUR FASTENER. For Horizontally or Vertically Pivoted Windows.

8837 Face fixing. With steel rack inside casing. Length 26", centre to centre of bolts. (Please state hand required).

Silver Anodised Aluminium 21/6 each

8836 and 8837 supplied for E.J.M.A. 9° angle Joinery unless otherwise stated.

All above prices include Wood Screws for fixing.

WINDOW FITTINGS

CASEMENT STAYS AND FASTENERS



			Real B.M.A.		Satin C.P.		Silver Anodised		Satin Silver Anodised	
8802 Stay, 10"	..	..	.. 24/9	..	29/3	..	—	..	—	each
" " 12"	..	..	.. 26/3	..	30/9	..	—	..	—	"
8803 Stay, 10"	..	..	.. 22/3	..	18/9	..	13/6	..	14/3	"
" " 12"	..	..	.. 24/—	..	19/9	..	14/—	..	14/9	"
Extra Pivots for 8802 or 8803	..	..	.. 2/9	..	3/—	..	1/9	..	1/10	"
8804 Fastener, Hook Plate	..	..	.. 15/9	..	18/6	..	11/9	..	12/3	"
" " Mortice Plate	..	..	.. 14/—	..	16/3	..	9/6	..	10/—	"

Above Stays and Fasteners are also available in Satin Bronze, Satin Brass or Polished C.P.
When ordering 8804 Fastener, please state hand required. Illustration shows right hand.



"Ogro" Satin Silver Finish

8800 Stay, 10"	..	..	..	..	..	..	..	..	..	13/3 each
" " 12"	..	..	..	..	..	..	..	..	..	15/6 "
Extra Pivots	..	..	..	..	..	..	..	..	..	1/9 "
8801 Fastener, Hook Plate	..	..	..	..	..	..	..	..	..	8/6 "
" " Mortice Plate	..	..	..	..	..	..	..	..	..	7/9 "

When ordering 8801 Fastener, please state hand required. Illustration shows right hand.



			B.M.A. Finish on Brass		Satin C.P.		Silver Anodised		Satin Silver Anodised	
8805 Stay, 10"	..	..	.. 14/—	..	17/—	..	13/3	..	14/3	each
" " 12"	..	..	.. 15/—	..	18/—	..	14/—	..	14/9	"
Extra Pivots	..	..	.. 2/9	..	3/—	..	1/9	..	1/10	"
8806 Fastener, Hook Plate	..	..	.. 12/9	..	15/9	..	11/9	..	12/3	"
" " Mortice Plate	..	..	.. 11/—	..	13/3	..	9/6	..	10/—	"

8806 Fastener is reversible, and suitable for either hand.

Cranked Face-fixing Pivots are available for all above Stays except 8800.
Pivots with 9° angle to suit E.J.M.A. Joinery can also be supplied for all patterns.
Prices include Wood Screws for fixing.

WINDOW FITTINGS

CASEMENT STAYS AND FASTENERS



2351



2349

						Real B.M.A.	Polished C.P.
2349 Stay, 10"	..	..	..	..	..	17/3	19/9 each
" " 12"	..	..	..	..	..	19/9	22/- "
Extra Pivots	..	..	..	..	..	3/-	3/3 "
2351 Fastener, Hook Plate	..	..	..	..	..	15/6	17/3 "
" " Mortice Plate	..	..	..	..	..	14/6	16/- "



2218



2216

					B.M.A. Finish on Brass	Real B.M.A.	Satin C.P.	Satin Nickel Bronze
2216 Stay, 8"	..	..	..	..	8/6	11/-	10/-	11/- each
" " 10"	..	..	..	..	9/3	12/-	11/-	12/9 "
" " 12"	..	..	..	..	9/9	12/9	11/3	13/- "
Extra Pivots	..	..	..	..	1/-	1/3	1/3	1/3 "
2218 Fastener, Wedge Plate	..	..	..	..	13/9	16/6	16/-	16/6 "



8811



8810

						Silver Anodised	Satin Silver Anodised
8810 Stay, 10"	..	..	..	..	..	11/6	12/6 each
" " 12"	..	..	..	..	..	12/-	13/- "
Extra Pivots	..	..	..	..	..	1/9	2/- "
8811 Fastener, Wedge Plate	..	..	..	..	..	8/6	9/6 "



2553



2551

							Silver Anodised
2551 Stay, 10"	..	..	..	..	..	..	8/- each
" " 12"	..	..	..	..	..	..	8/9 "
Extra Pivots	..	..	..	..	..	..	1/- "
2553 Fastener, Wedge Plate	..	..	..	..	..	..	6/9 "

Cranked Face-fixing Pivots are available for all Stays on this page and page 143, also Pivots with 9° angle to suit E.J.M.A. Joinery. 8811 and 2553 Fasteners can be supplied with 9° Wedge Plate. All Fasteners on this page, being reversible, are suitable for either hand. Prices include Wood Screws for fixing.

WINDOW FITTINGS

CASEMENT STAYS AND FASTENERS



8807

								Real B.M.A.		Satin C.P.
8807 Stay, 10"	..	..	..	..	..	..	..	12/9	..	14/9 each
" " 12"	..	..	..	..	..	..	..	14/9	..	17/- "
Extra Pivots	..	..	..	..	..	..	..	1/9	..	2/- "
8808 Fastener, Hook Plate	..	..	..	..	..	..	..	12/9	..	13/9 "
" " Mortice Plate	..	..	..	..	..	..	..	12/-	..	12/9 "



8808



2185

								B.M.A. Finish on Brass		Polished C.P.
2185 Stay, 10"	..	..	..	..	..	..	..	11/6	..	12/6 each
" " 12"	..	..	..	..	..	..	..	12/-	..	13/3 "
Extra Pivots	..	..	..	..	..	..	..	1/-	..	1/3 "
2187 Fastener, Wedge Plate	..	..	..	..	..	..	..	7/9	..	8/3 "



2187



2386

										Black Malleable Iron
2386 Stay, 10"	..	..	..	..	..	..	..	..	..	2/6 each
" " 12"	..	..	..	..	..	..	..	..	..	2/9 "
Extra Pivots	..	..	..	..	..	..	..	..	..	3d. "
3890 Fastener, Wedge Plate	..	..	..	..	..	..	..	..	..	1/9 "



3890



8809 Fastener, Hook Plate. "Ogro" Satin Silver Finish 7/9 each

2188

3934

								B.M.A. Finish on Brass		Polished C.P.
2188 Fastener, Hook Plate	..	..	..	..	..	..	..	13/3	..	14/3 each
" " Mortice Plate	..	..	..	..	..	..	..	12/-	..	13/3 "
3934 Fastener. For Wood French Doors.										
Set comprises:—Two Handles,										
Spindle and Locking Catch.	27/-	..	..	..	..	..	..		33/-	"

All Fasteners on this page, being reversible, are suitable for either hand.

Prices include Wood Screws for fixing.

WINDOW FITTINGS

CASEMENT STAYS



5258



8820

Adjustable Friction Types:—

5258	Opens to 180°. Long Arm 7 $\frac{3}{4}$ " centres, $\frac{5}{8}$ " \times $\frac{9}{32}$ " section. Short Arm 6" centres, $\frac{9}{16}$ " \times $\frac{9}{32}$ " section.			
	B.M.A. Finish on Brass	..	29/6 each.	Satin C.P. .. 33/- each
8820	Opens to 90°. Arm 8" centres. Section tapering $\frac{3}{4}$ " to $\frac{7}{16}$ " \times $\frac{9}{32}$ ".			
	Real B.M.A.	..	26/6 each.	Satin C.P. .. 28/6 each



3052



8821

Telescopic Friction Types:—

3052	Overall length:—Closed 8 $\frac{3}{4}$ " centres, open 14 $\frac{5}{8}$ " centres. Barrel $\frac{5}{8}$ " diameter.			
	Real B.M.A.	..	20/6 each.	Satin C.P. .. 22/6 each
8821	Overall length:—Closed 7" centres, open 11 $\frac{1}{4}$ " centres. Barrel $\frac{5}{8}$ " \times $\frac{3}{8}$ ".			
	B.M.A. Finish on Brass	..	17/9 each.	Satin C.P. .. 21/9 each



8822



5247



8823 & 8824

Screw-down Types:—

								10"	12"
8822	Solid Bar $\frac{1}{2}$ " \times $\frac{1}{4}$ ".	Real B.M.A.	..	..	..	..	..	25/6	27/- each
		Satin C.P.	..	..	..	..	..	28/6	30/- "
5247	Solid Bar $\frac{1}{2}$ " \times $\frac{3}{16}$ ".	B.M.A. Finish on Brass	..	..	..	..	..	15/6	16/3 "

Double Arm Sliding Types with Spring-loaded Adjusting Stop and 10 $\frac{1}{2}$ " Arm. For E.J.M.A. 9° angle Joinery.

8823	12" Rail. Opens to 90°. Silver Anodised	..	..	..	..	..	..	..	13/- each
8824	19" Rail. Opens to 180°. Silver Anodised	..	..	..	..	..	..	..	16/6 "

8823 and 8824 are particularly suitable for vertically pivoted windows, and can be used with 8649 Hinges on page 110, and 8836 or 8837 Fasteners on page 140.

A Safety Catch is available for use with 8824 when window is in reversed position for cleaning—details on application.

All above prices include Wood Screws for fixing.

WINDOW FITTINGS

"UNIQUE" SASH BALANCES

For Vertically Sliding Sash Windows

The "Unique" Spiral Sash Balance consists of a torsion spring and a spiral rod enclosed in a metal tube. The spiral rod is threaded through a Nylon bush attached to the spring, causing the spring to be wound or unwound when the sash is raised or lowered. The pitch of the spiral rod is varied so that it equalises the tension of the spring to the same amount at every point of operation, thus the weight of the sash is uniformly balanced throughout its travel.

Two balances are required for each sash, each balance being housed in a groove in either the sash stile (as in Diagram A) or the frame jamb (as in Diagram B). Top fixing of the balance is by drive screw nail through the metal tube into the frame jamb. Bottom fixing is either by the standard sash attachment (as in Diagram C) or, where upper sashes have horns, by a channel type fitting (as in Diagram D).

D30

For sashes up to 30 lb., total glazed weight.

Groove required— $\frac{5}{8}$ " wide \times $\frac{5}{8}$ " deep, either in sash stile or frame jamb.

For Sash Run not exceeding 6 ft. total height:—

12/3 pair 24/— set of four

M60

For sashes 30 to 60 lb., total glazed weight.

Also recommended for sashes not exceeding 25 lb. where they are subject to heavy usage.

Groove required—1" wide \times 1" deep, either in sash stile or frame jamb.

For Sash Run not exceeding 6 ft. total height:—

45/3 pair 90/3 set of four

M75

For sashes 60 to 75 lb., total glazed weight. Groove size as M60 above.

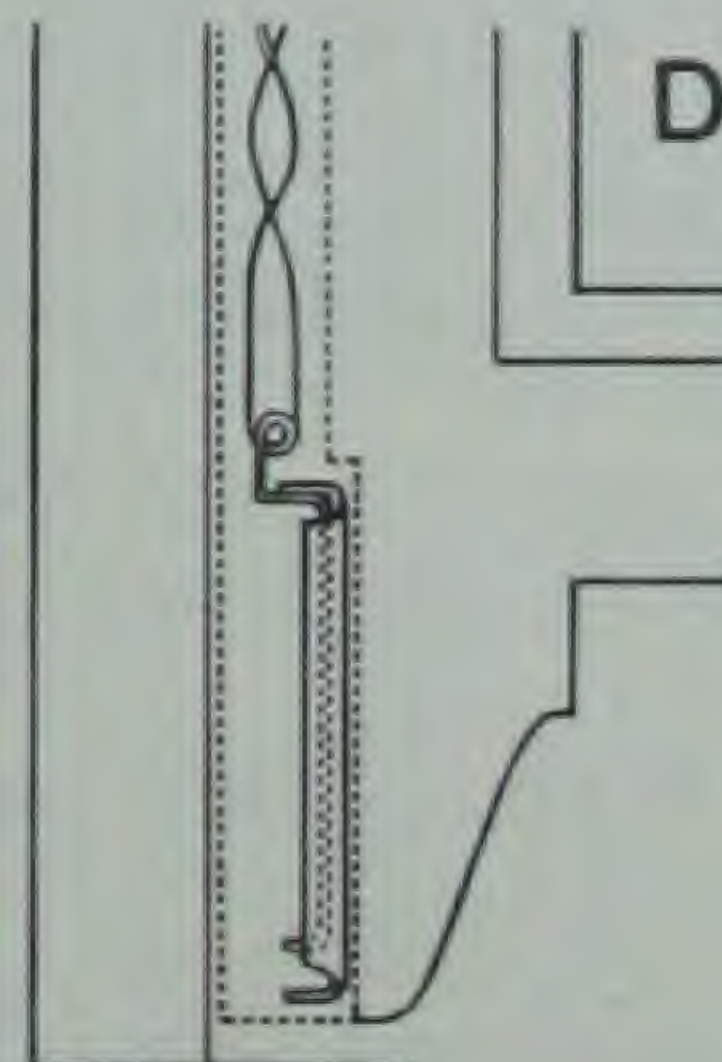
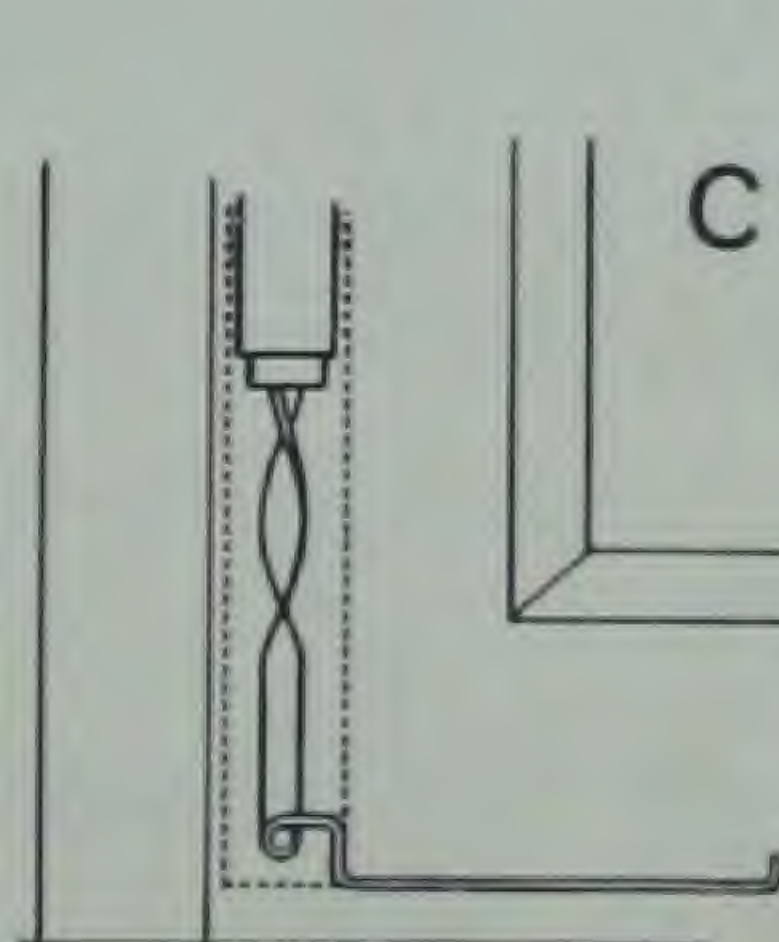
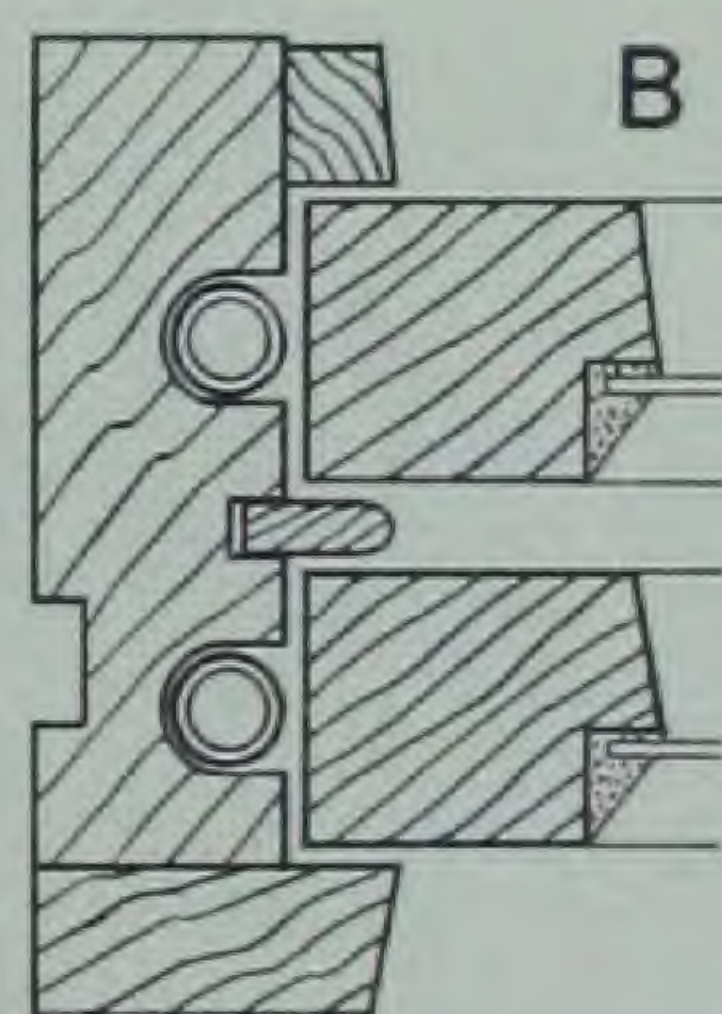
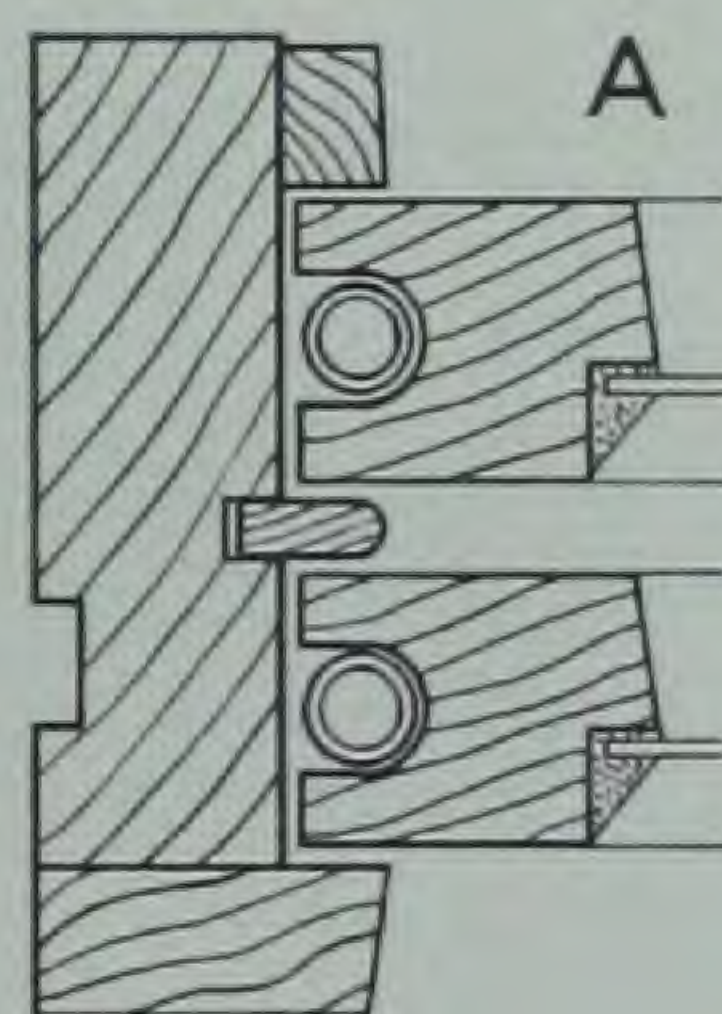
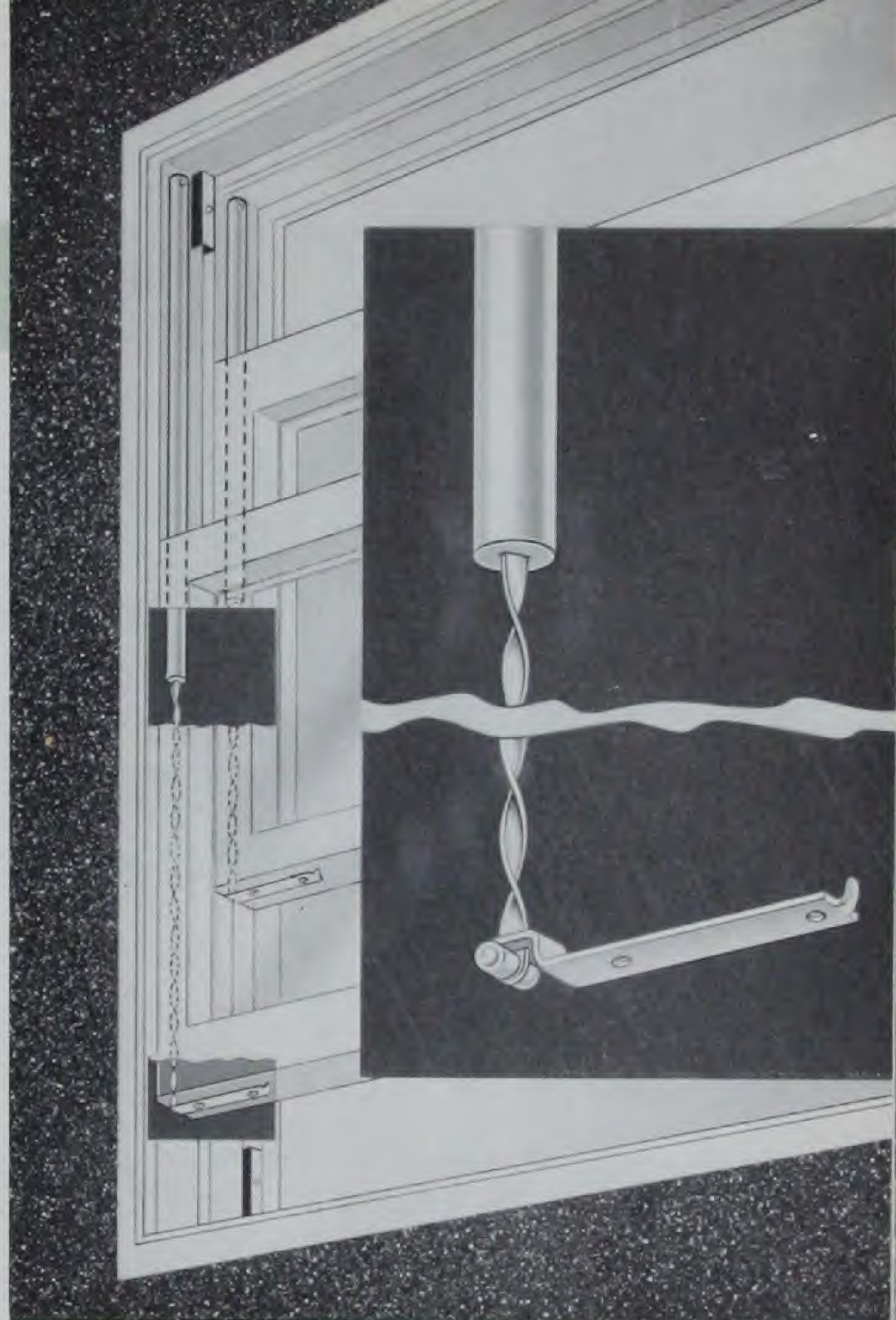
For Sash Run not exceeding 6 ft. total height:—

51/— pair 102/— set of four

For Sash Runs over 6 ft. high—prices on application.

N.B. -When ordering, please give following details:—

1. Height of Sash Run, i.e. overall inside measurement.
2. Overall height of top Sash.
3. " " " bottom Sash.
(If Sashes have horns, please give length).
4. Glazed weight of Sashes (Must be accurate for M60 or M75).



WINDOW FITTINGS

FOR SASHES AND CASEMENTS



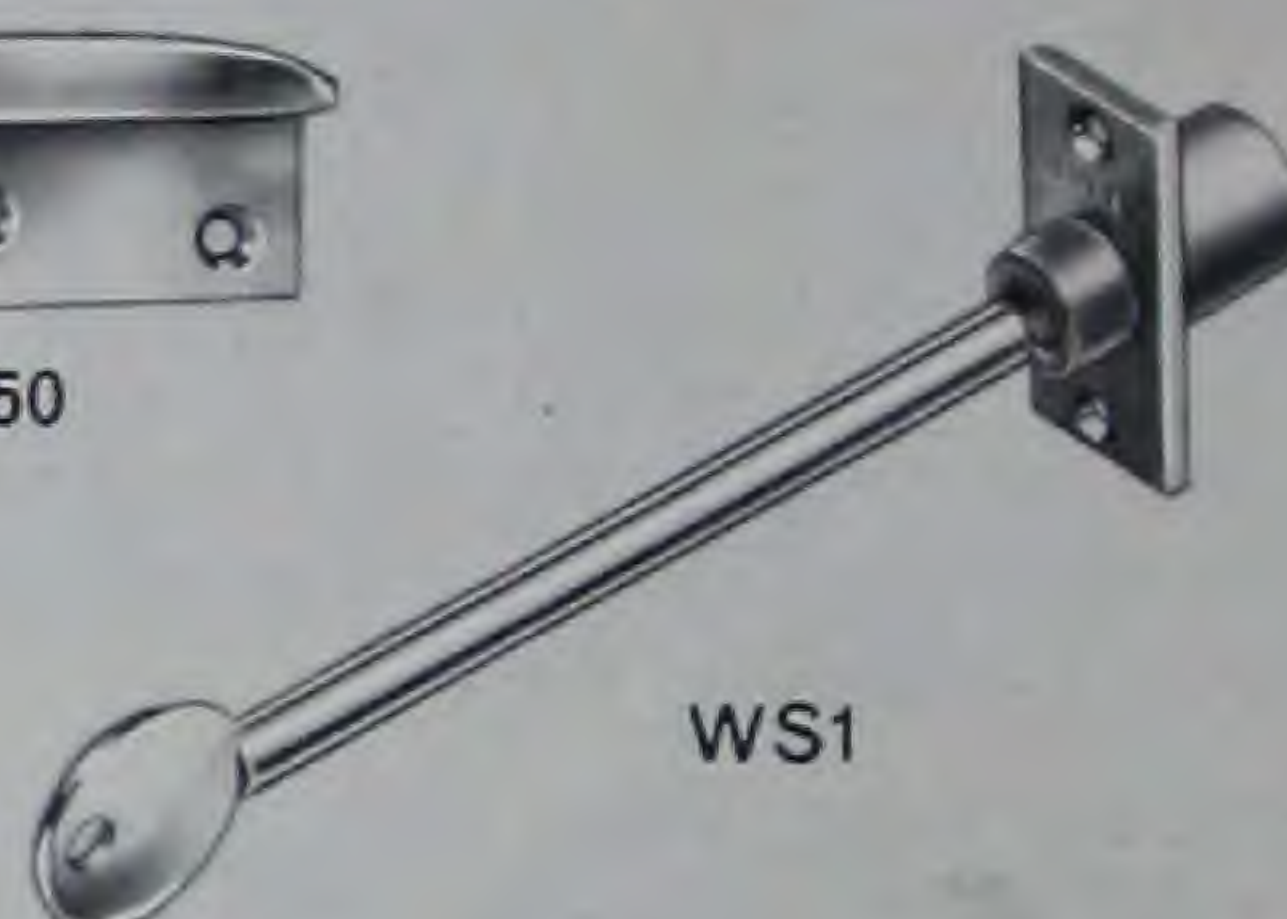
2897



2500



8850

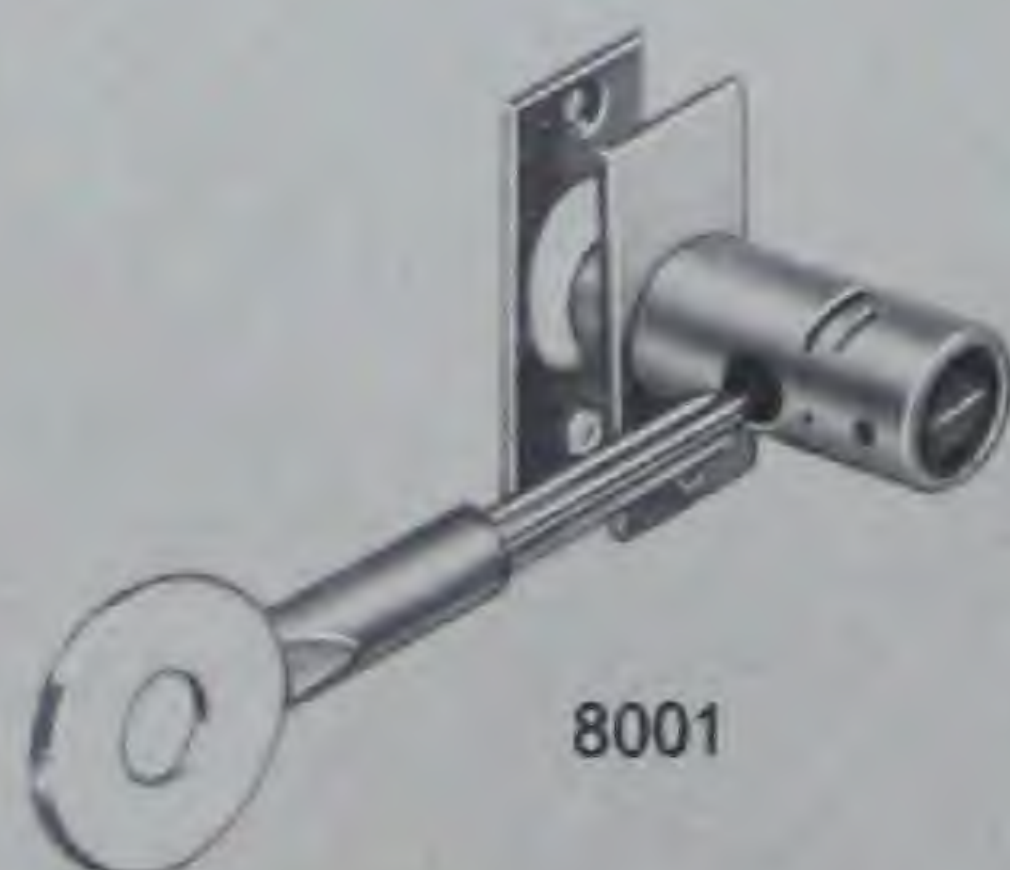


WS1



WS5

2897	Sash Fastener, 2 $\frac{3}{4}$ "	Real B.M.A. 13/- each.	Satin C.P. 17/- each
2500	Sash Fastener, 2 $\frac{3}{4}$ ". Fitch pattern	Brass	9/6 each
		B.M.A. Finish on Brass	11/- "
8850	Sash Lift, 2 $\frac{1}{2}$ "	Real B.M.A. 4/9 each.	Satin C.P. 6/3 each
	" " 3"	" " 6/- "	" " 7/3 "
WS1	"Chubb" Locking Window Stop. For Wood Sash Windows. The Stop, which prevents the window being opened, can be put in or out of action by the key.. .. .		
		Bronze Finish.. .. .	10/9 each
		Key for WS1, extra	2/6 "
WS5	"Chubb" Key Screw. For Wood Sash Windows. A turn of the key fastens both sashes together in the closed position		
		Bronze Finish.. .. .	11/3 each
		Key for WS5, extra	2/9 "



8001



8003



WS4



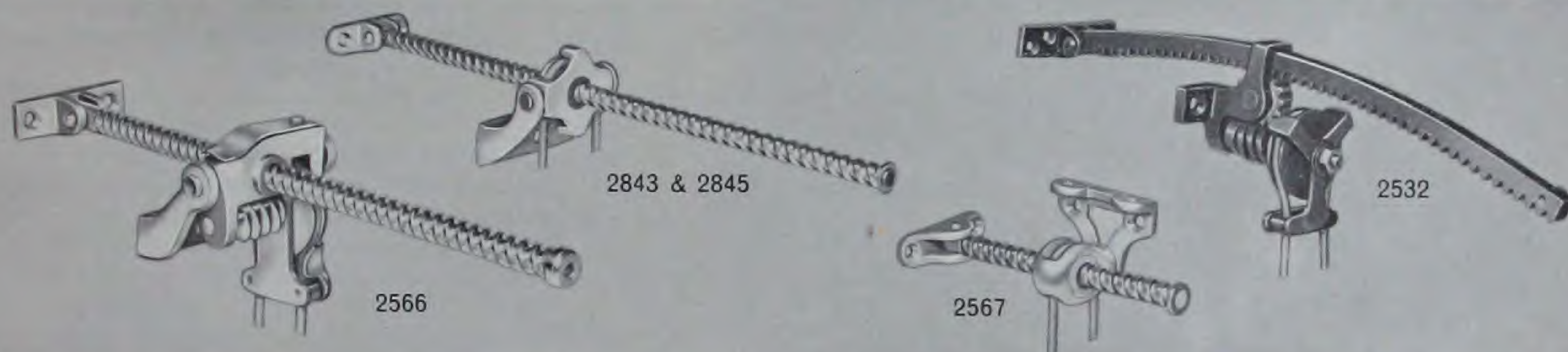
8005

8001	"Chubb" Security Bolt. For Wood Casements. Mortises into casement just below the fastener, and is operated by key		
		Bronze Finish.. .. .	7/6 each
		Key for 8001, extra	2/- "
8003	"Chubb" Metal Window Lock. For Steel Casements and Fanlights. A turn of the catch secures the window. Unlocking is by key		
		Bronze Finish.. .. .	9/9 each
		Key for 8003, extra	2/- "
WS4	"Chubb" Key Screw. For Steel Casements and Fanlights. A screw bolt locks the window to the frame.		
		Bronze Finish.. .. .	7/- each
		Key for WS4, extra	2/9 "
8005	"Chubb" Dual Screw. For Wood Casements and Sashes. A steel bolt locks casement to frame or sash to sash.		
		Brass	2/- each
		Key for 8005, extra	1/5 "

All above prices include Wood Screws for fixing.

WINDOW FITTINGS

FOR FANLIGHTS AND SKYLIGHTS



2843	Fanlight Opener. For Fanlights hinged at top or bottom, opening inwards or outwards. Bronzed Iron Fittings, Brass wheel.	12" 8/-	15" 9/-	18" 13/- each
2845	Fanlight Opener. As 2843, but all Brass 12" and 15" sizes have $\frac{3}{8}$ " Screw. 18" has $\frac{1}{2}$ " Screw.	14/-	15/6	27/- "
2532	Fanlight Opener. For Fanlights hinged at bottom opening inwards. } Malleable Iron, with Brass wheel.	12" 13/6	14" 14/6	16" 15/6
2534	Skylight Opener. Similar design to 2532. Malleable Iron, } Brass wheel.	20/-	21/-	22/- 28/- "
2566	Fanlight Opener. For Fanlights hinged at bottom opening inwards or hinged at top opening outwards. Also suitable for Skylights. All Brass, $\frac{1}{2}$ " Screw	12" 45/- each	18" 47/- each	
2567	Fanlight Opener. For small Fanlights hung any way. } Fitted at side, 5".	Bronzed Iron	5/6 each	
		Brass	8/9 "	

N.B.—Above prices do not include Cords. When ordering Fanlight or Skylight Openers, if Cords are required, please state suspended length.



							6"	8"	10"
8826	Roller Stay, B.M.A. Finish on Brass	..	..	..	..	..	9/-	10/-	10/6 each
"	" " Satin C.P.	..	..	..	..	..	11/9	12/9	13/9 "
8827	Quadrant Stay, B.M.A. Finish on Brass	..	..	..	..	..	14/-	17/6	21/- "
"	" " Satin C.P.	..	..	..	..	..	18/-	22/-	25/6 "
3049	Fanlight Catch. $1\frac{3}{4}" \times 2"$	..	..	..	..	B.M.A. Finish on Brass, 8/9; Satin C.P., 13/6 each			
3053	Fanlight Catch. $1\frac{3}{4}" \times 2"$	..	..	..	..	" " " " 8/9; " " 13/6 "			
8825	Friction Fanlight Stay. Arm, 5" centres.	..	..	..	..	Real B.M.A., 22/-; " " 23/6 "			

WINDOW OPENING GEAR

A comprehensive range of Window Opening Gear is available to suit widely differing requirements. On this page and page 149 are shown a selection of the patterns in general demand.

4296 LEVER-ACTION OPERATION. For bottom-hung and horizontal centre-hung windows. Maximum size 3' 0" x 2' 6". Available for use on one or two windows. The lever-action operation is self-locking in the fully open and closed positions. Window can be secured in any desired intermediate position by a locking screw. Can be supplied with Malleable Iron or B.M.A. Fittings and Steel rods, or all parts in Polished Bronze.

4297 As 4296, but for top-hung windows.

4071 GEARBOX OPERATION. For use on two windows. For bottom-hung and horizontal centre-hung windows. Maximum size 3' 0" x 2' 6". Can be supplied with Malleable Iron or B.M.A. Fittings and Steel rods, or all parts in Polished Bronze.

4070 GEARBOX OPERATION. As 4071, but for use on one window.

4072 GEARBOX OPERATION. For use on one window.
As 4070, but for top-hung windows.

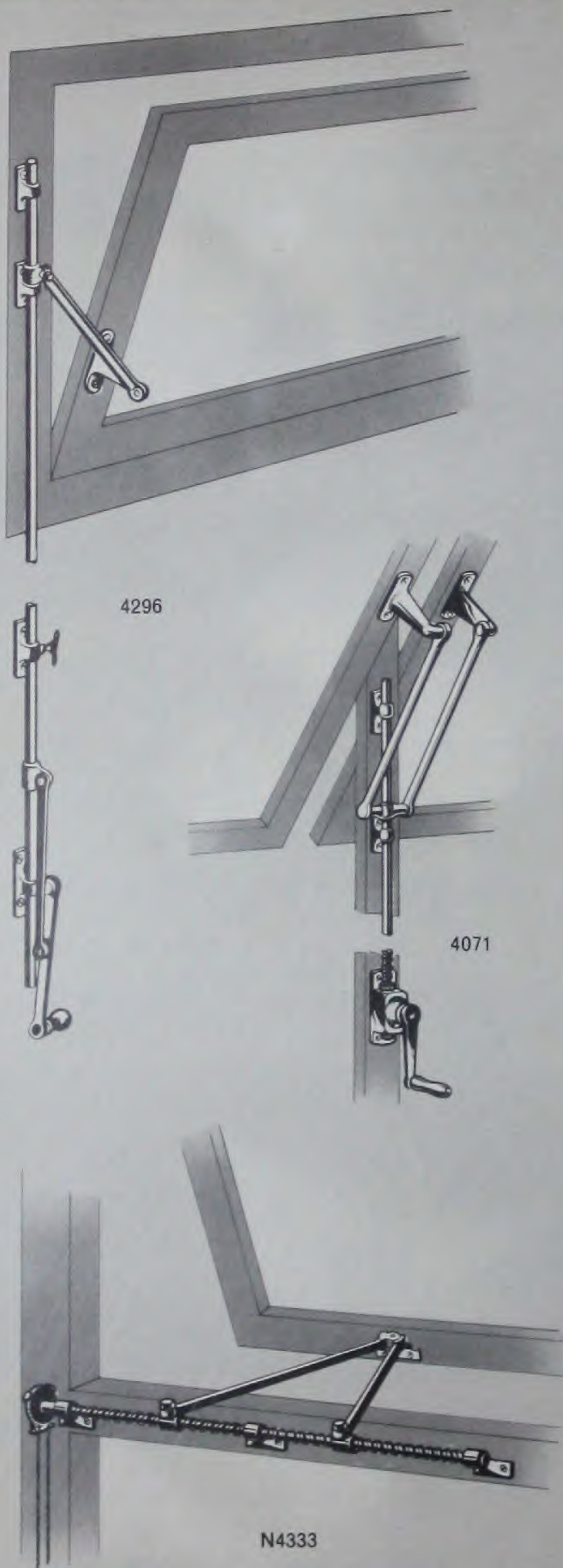
4073 GEARBOX OPERATION. For use on two windows.
As 4071, but for top-hung windows.

N4333 TWINSCREW GEAR. Cord operation. For top-hung and horizontal centre-hung windows. Available for use on one or a small number of windows. Screwed rods are supplied in standard lengths of 15", 18", 24" and 30". Supplied in all B.M.A.

4331 As N4333, but for bottom-hung windows.

N4333 and 4331 can also be supplied with gearbox operation.

Prices on application.



WINDOW OPENING GEAR

- 4063 **SHAFT AND LEVER GEAR.** Gearbox operation. For top-hung, horizontal centre-hung and bottom-hung windows. Suitable for any number of windows not exceeding 100 ft. overall length.

For a large number of windows, the gearbox should be located near the centre of the range.

This opening gear is fitted with two jointed arms to each window and is particularly suitable for larger windows of 3 ft. width and over.

Available with Malleable Iron or B.M.A. Fittings. Steel rods and Bronze or Aluminium Gearbox.

- 4062 **SHAFT AND LEVER GEAR.** Gearbox operation. Similar to 4063 above, but fitted with one jointed arm to each window, and suitable for windows less than 3 ft. in width.

- 8830 **CABLE GEAR.** Operation by Sliding Handle. For bottom-hung windows not exceeding 2' 6" high x 3' 0" wide. Specially suitable for small windows where all the gear can be fixed on the window frame.

A locking catch is fitted to the opening window and automatically secures or releases it when the gear is operated.

Available in B.M.A. or Satin C.P.

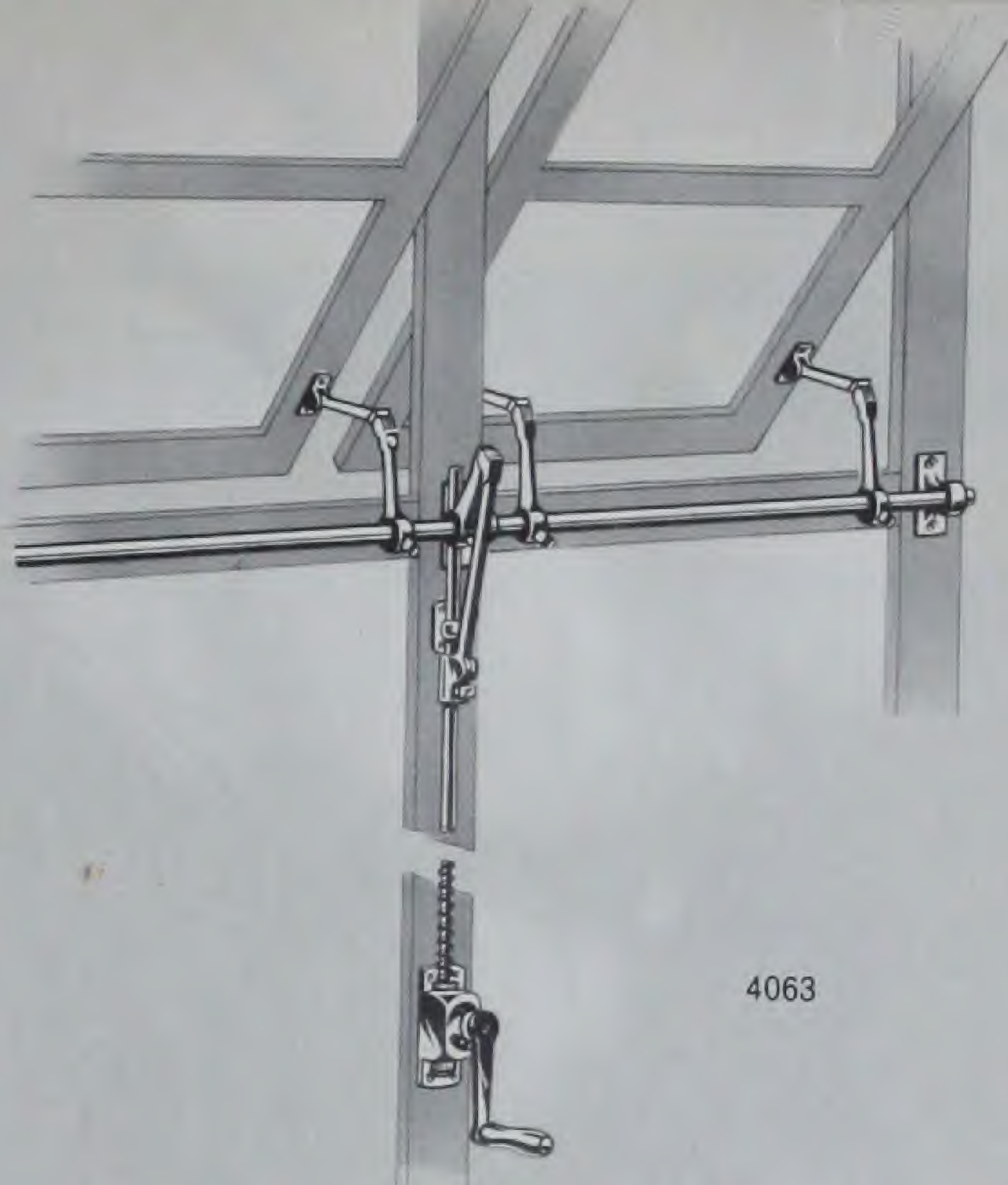
- 8831 **CABLE GEAR.** Operation by sliding Handle. For horizontal pivot-hung windows not exceeding 3' 6" high x 3' 0" wide. Otherwise as 8830 above.

Where possible, the pivots should be placed at least 2" below centre to make the windows top heavy.

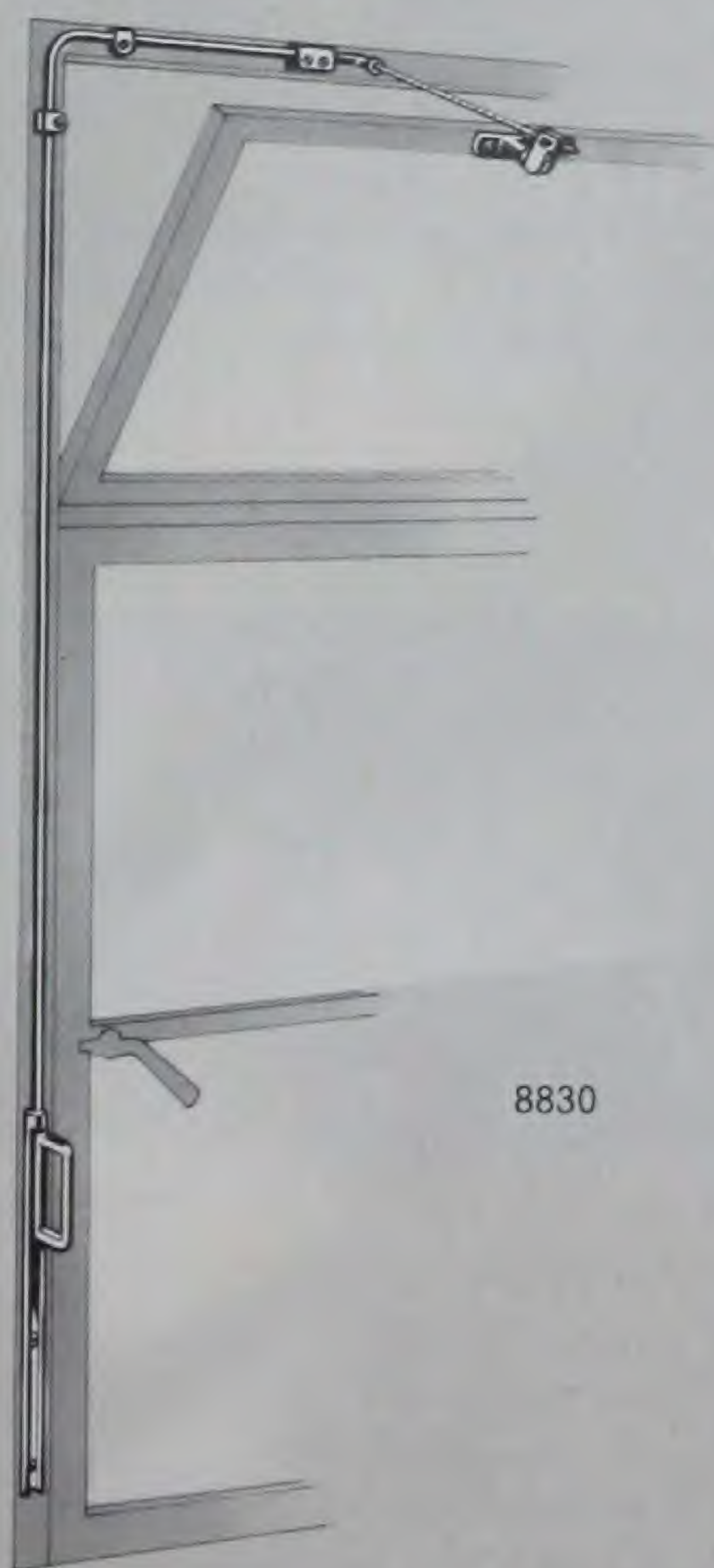
Available in B.M.A. or Satin C.P.

8830 and 8831 can also be supplied with gearbox operation.

Prices for Window Opening Gear will be quoted on application. Enquiries should be accompanied by detailed sketch of requirements. Technical assistance in the choice of equipment to suit particular needs will be gladly given on request.



4063



8830

CLOAKROOM FITTINGS

HAT AND COAT HOOKS



850



8018



845 & 846



843 & 842

	Height	Projection										
850	4 $\frac{3}{4}$ "	4 $\frac{1}{4}$"	..	..	..	..	..	..	..	Real B.M.A. 9/6 each.	Satin C.P. 12/- each	
"	"	"	..	..	..	..	..	..	..	Silver Anodised 9/9 each.	Satin Silver Anodised 10/3	"
8018	5 $\frac{1}{8}$ "	2 $\frac{5}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 7/9 each.	Satin C.P. 9/-	"
845	4 $\frac{1}{4}$ "	2 $\frac{5}{8}$"	..	..	..	..	..	..	..	..	Silver Anodised 1/9	"
846	4 $\frac{1}{4}$ "	2 $\frac{5}{8}$"	..	..	..	..	..	..	..	B.M.A. Finish on Brass 4/6 each.	Satin C.P. 5/-	"
843	3"	3 $\frac{1}{2}$"	..	..	..	..	..	..	..	B.M.A. Finish on Diecast Alloy 1/9 each.	Polished C.P. 3/3	"
842	3 $\frac{1}{4}$ "	3 $\frac{5}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 8/-	"	9/3

Prices include Wood Screws for fixing.

COAT HOOKS



8027



8026



8014 & 8028



997 & 8029

	Height	Projection										
8027	2"	1 $\frac{3}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 6/6 each.	Satin C.P. 7/9 each	
8026	2 $\frac{1}{8}$ "	1 $\frac{1}{2}$"	..	..	..	..	..	..	..	" " 4/3	" " 5/-	"
8014	2 $\frac{5}{16}$ "	1 $\frac{3}{4}$"	..	..	..	..	..	..	..	..	Silver Anodised 1/3	"
8028	1 $\frac{9}{16}$ "	1 $\frac{1}{2}$"	..	..	..	..	..	..	..	B.M.A. Finish on Brass 2/9 each.	Satin C.P. 3/9	"
997	1 $\frac{1}{2}$ "	2"	..	..	..	..	..	..	..	B.M.A. Finish on Diecast Alloy 1/- each.	Polished C.P. 1/6	"
8029	1 $\frac{7}{8}$ "	1 $\frac{5}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 4/-	"	4/9

Prices include Wood Screws for fixing.

CLOAKROOM FITTINGS

HAT AND COAT HOOKS



8019

908 & 1748

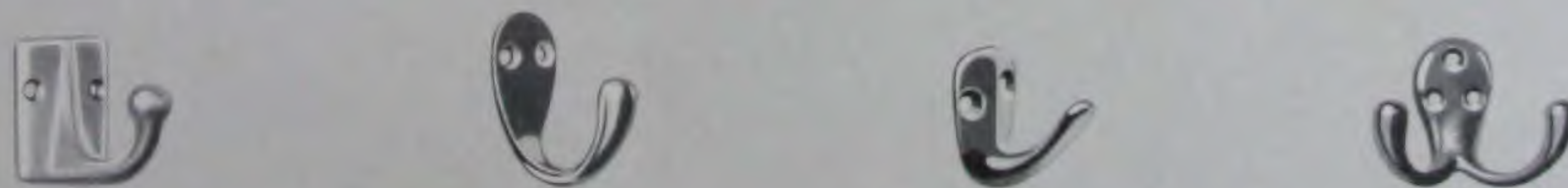
8020

8017

	Height	Projection										
8019	3 $\frac{1}{4}$ "	3 $\frac{7}{16}$"	..	..	..	..	..	..	..	..	Silver Anodised	2/6 each
908	5 $\frac{3}{4}$ "	3 $\frac{3}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 7/9 each.	Polished C.P.	9/- "
1748	4 $\frac{7}{8}$ "	3 $\frac{1}{4}$"	..	..	..	..	..	..	..	..	Black Malleable Iron	1/6 "
8020	3 $\frac{1}{4}$ "	3 $\frac{3}{4}$"	..	..	..	..	..	..	..	..	Bronze Vitreous Enamelled Iron	1/9 "
8017	4 $\frac{3}{4}$ "	2 $\frac{3}{4}$"	..	..	..	..	..	..	..	B.M.A. Finish on Brass 6/6 each.	Satin C.P.	8/- "
"	"	"	..	..	..	..	..	..	..	Silver Anodised 6/- each.	Satin Silver Anodised	6/3 "

Prices include Wood Screws for fixing.

COAT HOOKS



8030

578 & 3971

8031

268

	Height	Projection										
8030	1 $\frac{3}{4}$ "	2 $\frac{1}{8}$"	..	..	..	..	..	..	..	..	Silver Anodised	1/6 each
578	2"	1 $\frac{7}{8}$"	..	..	..	..	..	..	..	Real B.M.A. 3/6 each.	Polished C.P.	4/- "
3971	2"	1 $\frac{7}{8}$"	..	..	..	..	..	..	..	..	Black Malleable Iron	6d. "
8031	1 $\frac{1}{2}$ "	2"	..	..	..	..	..	..	..	..	Bronze Vitreous Enamelled Iron	1/3 "
268	1 $\frac{3}{4}$ "	1 $\frac{1}{4}$"	..	..	..	..	..	..	..	Real B.M.A. 5/- each.	Polished C.P.	5/6 "

Prices include Wood Screws for fixing.

CLOAKROOM FITTINGS

HAT AND COAT HOOKS



847



8010



8012



848

	Height	Projection					Real B.M.A.		Satin C.P.		Silver Anodised		Satin Silver Anodised	
847	5 1/4"	3 3/4"	..	..	..	..	16/-	..	18/6	..	—	..	—	each
8010	5 1/4"	3 3/4"	..	..	..	..	14/3	..	16/6	..	11/6	..	12/-	"
8012	5 3/4"	2 3/4"	..	..	..	..	13/9	..	13/9	..	10/-	..	10/-	"
848	5 1/2"	3"	..	..	..	..	—	..	—	..	3/-	..	—	"

All above have Plastic Knobs in Red, Blue, Cream, Grey, Green, Yellow, Black or White.



849



851



8015



8021 "Ogro"

	Height	Projection			B.M.A. Finish on Brass		Real B.M.A.		Satin C.P.		Silver Anodised		Satin Silver Anodised	
849	2 1/2"	3 1/2"	..	..	—	..	9/-	..	10/9	..	7/6	..	8/-	each
851	2"	2 3/4"	..	..	6/6	..	—	..	8/-	..	—	..	—	"
8015	2 1/4"	3 1/2"	..	..	—	..	—	..	—	..	3/9	..	3/9	"
8021	2 1/2"	3 3/4"	..	..	—	..	—	..	—	..	—	..	6/3	"

All above have Rubber Buffers.

All prices include Wood Screws for fixing.

CLOAKROOM FITTINGS

OGRO



8032



8033



8034

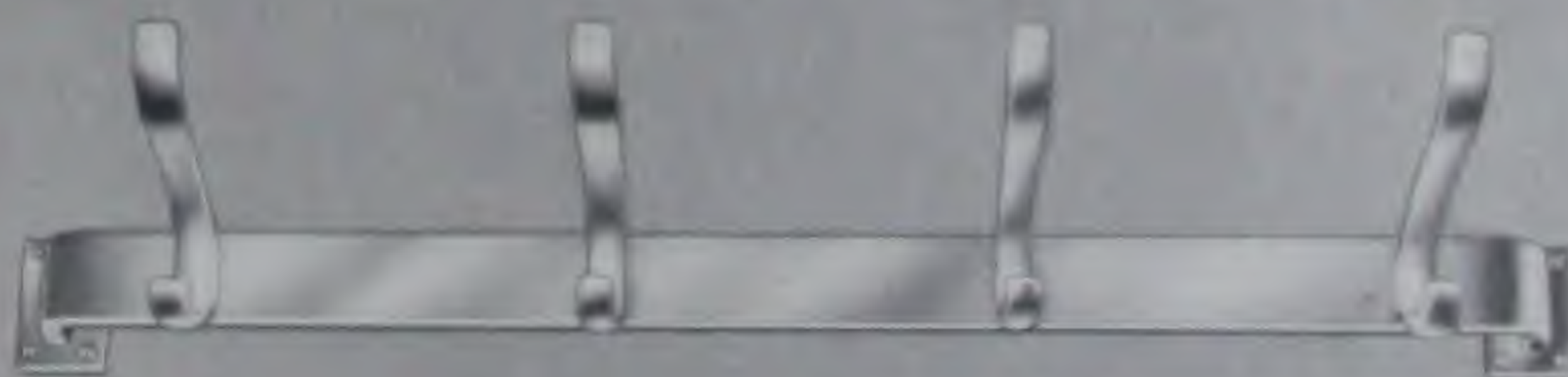
8032	Hat and Coat Hook.	Height 6".	Projection 3½".	..	..	..	..	Satin Silver Finish	8/3	each
8033	Coat Hook.	Height 1½".	Projection 1¾".	..	..	..	..	"	5/-	"
8034	Set of Cloakroom Hooks, comprising 8032 and 8033 mounted on 1 9/16" x 3/8" Solid Bar.							"	"	"
	Length	25½"	31"	39"	46½"					
	Number of Hooks	5	5	7	7					
	Satin Silver Finish	121/6	146/-	165/6	198/-	each				



8035



8036



8037

8035	Hat and Coat Hook.	Height 4½".	Projection 5".	..	..	..	..	Satin Silver Finish	8/3	each
8036	Coat Hook.	Height 2½".	Projection 3".	..	..	..	..	"	5/-	"
8037	Set of Cloakroom Hooks, comprising Hooks of similar design to 8035 mounted on 1 7/8" x 3/8" Solid Bar.							"	"	"
	Length	25½"	31"	39"	46½"					
	Number of Hooks	4	5	6	7					
	Satin Silver Finish	116/6	139/6	164/-	188/6	each				

8037 set is also available with Hat and Coat Hooks having double bottom hook.

Prices include Wood Screws for fixing.

CLOAKROOM HAT AND COAT HOOKS

Numbered Hooks have White Ivorine Number Plates with Black Engraved Numbers



1663 Numbered



1663 Unnumbered



1658



1659

	Height	Projection	Malleable Iron, Stove Enamelled in Colour, with Coloured Plastic Ball Tops*					
1663	6 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "						
			Numbered, 8/3 each					
1658	5"	3 $\frac{1}{4}$ "	Black Malleable Iron					
			Numbered, 5/9 "					
1659	6"	3 $\frac{3}{4}$ "	" " "					
			Unnumbered, 2/9 "					

*1663 Hooks are available in a large range of colours, with Ball Tops in contrasting colours—details on request.



1654



1655



8023 Hook with
8025 Number Plate



8024

	Height	Projection						
1654	5 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	Black Malleable Iron					
			Numbered, 4/9 each					
1655	2 $\frac{1}{8}$ "	2 $\frac{1}{8}$ "	" " "					
			Numbered, 3/6 "					
8023	5 $\frac{3}{4}$ "	4 $\frac{1}{4}$ "	Hook only. Silver Anodised Aluminium					
			.. .. . 7/- "					
8024	6 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	Hook only. Silver Anodised Aluminium, with Plastic Ball Top in					
			large range of colours					
			.. .. . 9/9 "					
8025	—	—	Loose Number Plate. Silver Anodised Aluminium, with Black					
			Engraved White Ivorine Label, for 8023 or 8024					
			.. .. . 3/6 "					

Prices include Wood Screws for fixing.

N.B.—Malleable Hooks listed above in Black can also be supplied in Stove Synthetic Enamelled or Galvanized—prices on application.

CLOAKROOM HAT AND COAT HOOKS

Numbered Hooks have White Ivorine Number Plates, with Black Engraved Numbers.



1664 & 1665



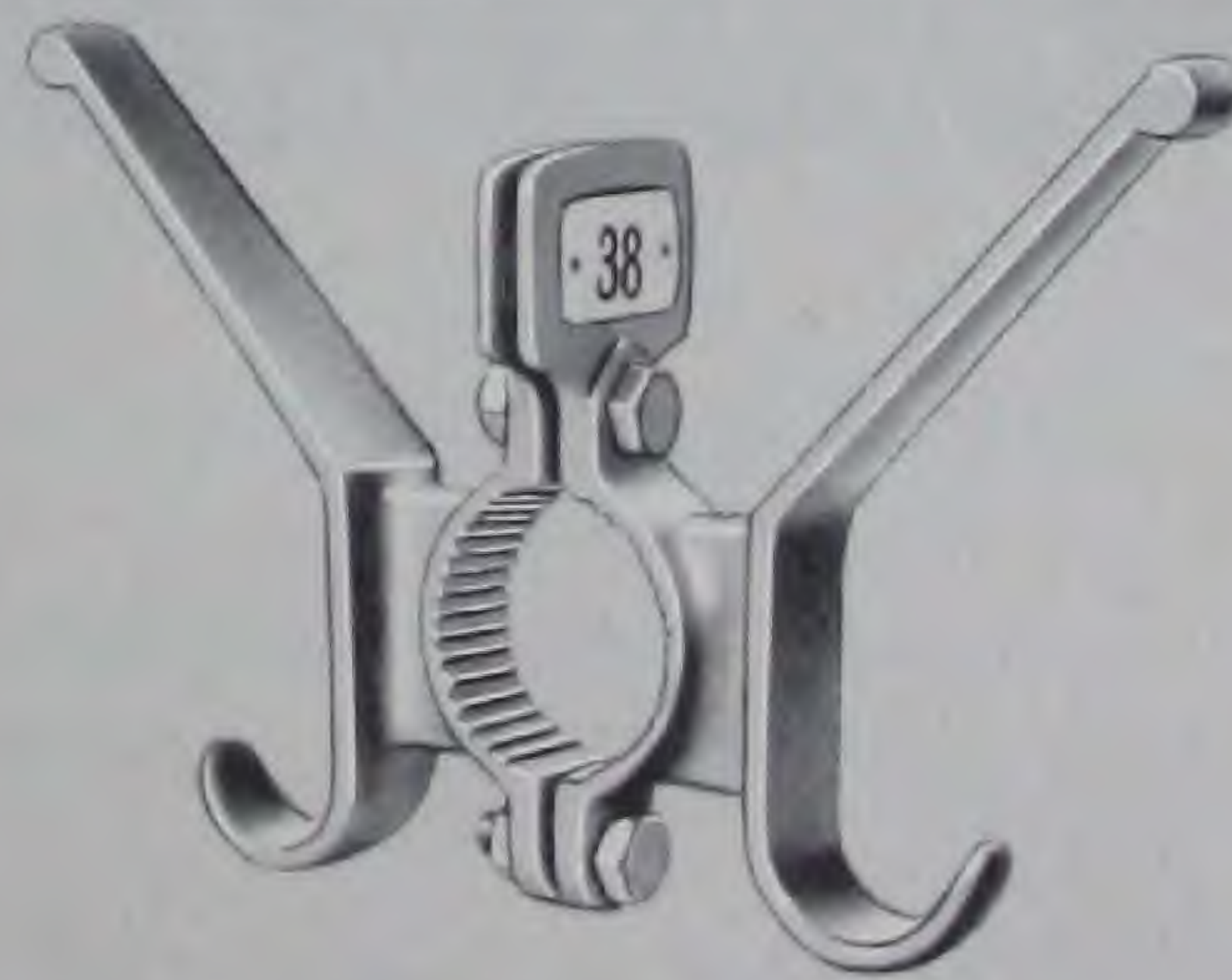
1660 & 1661

			Clips for tube	1"	1 1/4"	1 1/2" bore
1664	Double Hat and Coat Hook. Malleable Iron, Stove Enamelled in Colour, with coloured Plastic Ball Tops*. Overall height 6 1/4". Overall width 10"	}	Numbered..	15/-	15/6	15/9 pair
			Unnumbered	13/6	13/9	14/3 "
1665	Single Hat and Coat Hook. Malleable Iron with Plastic Ball—finishes as 1664*	}	Numbered..	11/6	12/-	12/6 each
			Unnumbered	10/3	10/6	11/3 "
1660	Double Hat and Coat Hook. Black Malleable Iron. Overall height 5 1/2". Overall width 8"	}	Numbered..	10/3	10/9	11/- pair
			Unnumbered	8/3	8/9	9/3 "
1661	Single Hat and Coat Hook. Black Malleable Iron	}	Numbered..	8/9	9/3	9/9 each
			Unnumbered	7/6	8/-	8/3 "

*1664 and 1665 Hooks are available in a large range of colours, with Ball Tops in contrasting colour—Details on request.



1650 & 1651



1662

			Clips for tube	1"	1 1/4"	1 1/2" bore
1650	Double Hat and Coat Hook. Black Malleable Iron. Overall height 5 1/8". Overall width 10"	}	Numbered..	9/6	10/-	10/6 pair
			Unnumbered	7/6	8/-	8/6 "
1651	Single Hat and Coat Hook. Black Malleable Iron	}	Numbered..	8/-	8/6	9/- each
			Unnumbered	6/9	7/3	7/6 "
1662	Single Hat Hook and 15" Swivel Coat Hanger. Black Malleable Iron	}	Numbered..	18/3	19/-	19/6 each
			Unnumbered	16/3	17/-	17/9 "

N.B. Malleable Hooks listed above in Black can also be supplied in Stove Synthetic Enamelled or Galvanized. Prices on application.



A V O N W O R K S , B R I S T O L 3

CLOAKROOM FITTINGS



Cloakroom Equipment of tubular steel construction with welded or grub-screw joints is ideal for Schools, Business Premises, etc.

Layouts may include wire partitioning and wood seats, which can be fitted with wire baskets.

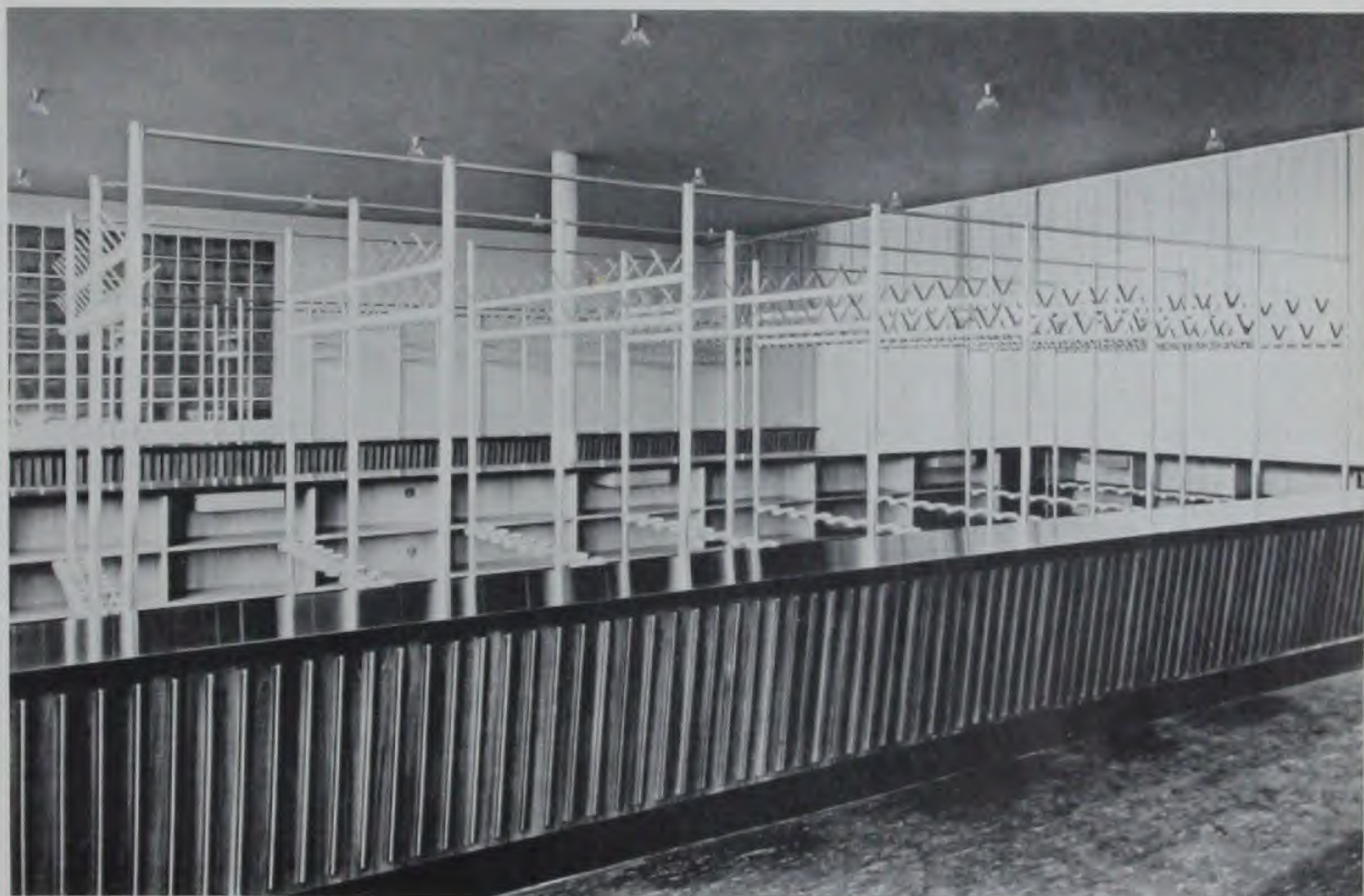
Hat and Coat Hooks suitable for tube mounting are shown on page 155.

Quotations for individual requirements submitted upon receipt of detailed information.



CLOAKROOM FITTINGS

OGRO



"Ogro" Cloakroom Fittings of Lightmetal Alloy in Satin Silver Finish provide attractive and functional installations for Hotels, Restaurants, Schools, etc.

Layout designs prepared to suit individual requirements.

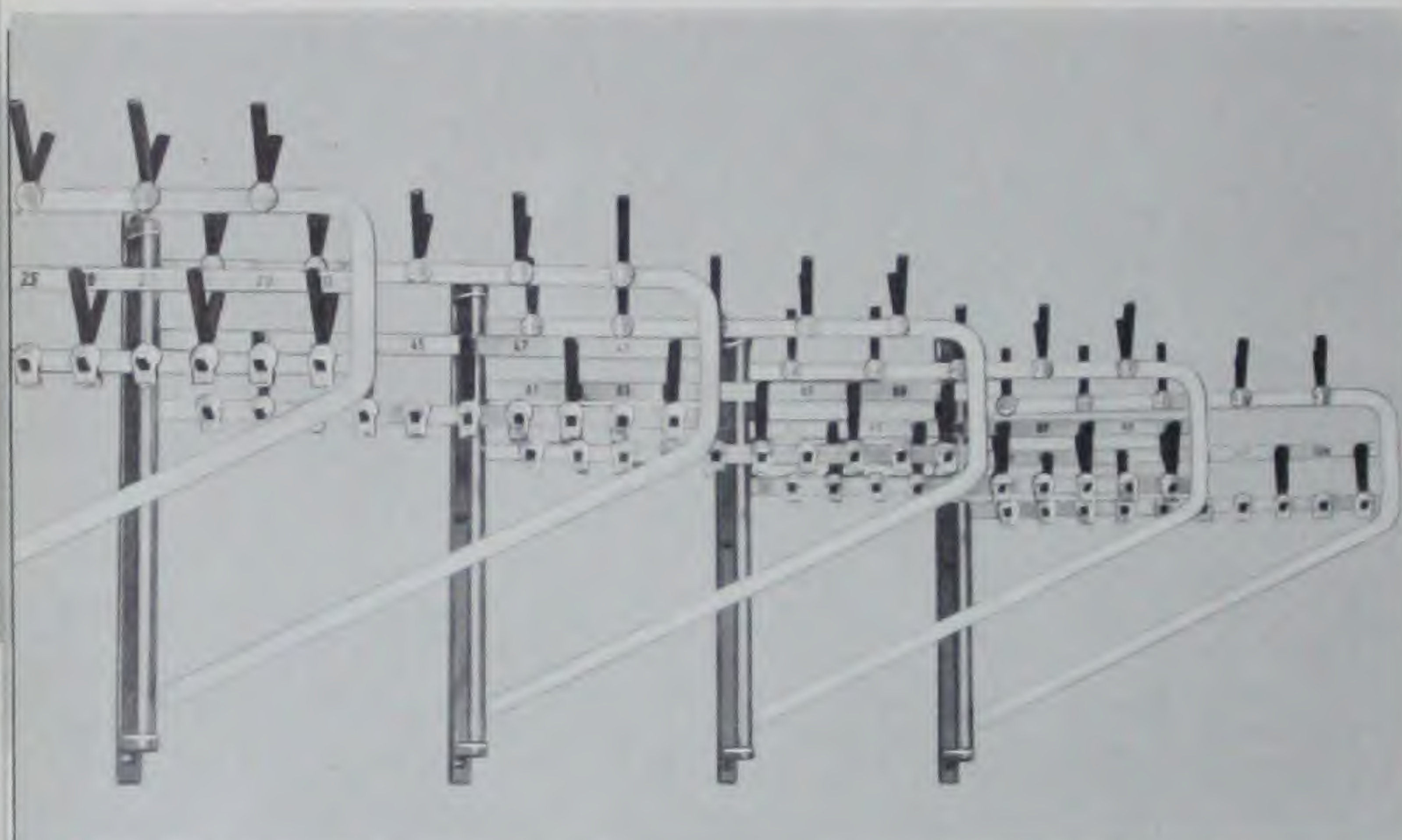
Quotations will be given against detailed information.

M·A·C

A V O N W O R K S , B R I S T O L 3

157

CLOAKROOM FITTINGS



OGRO

"Ogro" Swivel Arm Cloakroom Fittings provide a compact and effective arrangement, particularly where space is limited. They are of Lightmetal Alloy, finished in Satin Silver.

Full particulars and quotations submitted on receipt of details of requirements.

"OGRO" CLOTHES RACKS

Made from Lightmetal Alloy. Fitted with 6 Hooks, having concealed fixing into the rail.

8000 With Tubular Rack. Satin Silver Finish.

Length:	23½"	31"	39"
	99/-	110/-	122/- each

8022 With Cord Net. Satin Silver Finish, with Black Rail.

Length:	25½"	31"	39"
	135/-	148/-	158/- each

Prices of 8000 and 8022 include concealed drive fixings.

"OGRO" UMBRELLA RACK AND DRIP TRAY

8011 Umbrella Rack. Made from Lightmetal Alloy, with concealed screw fixing. Satin Silver Finish.

Length:	15½"	19½"	23½"
Number of sections:	4	5	6
	34/6	39/6	44/6 each

Prices include Wood Screws for fixing.

8013 Drip Tray. Lightmetal Alloy, finished Satin Silver, with porcelain enamelled tray.

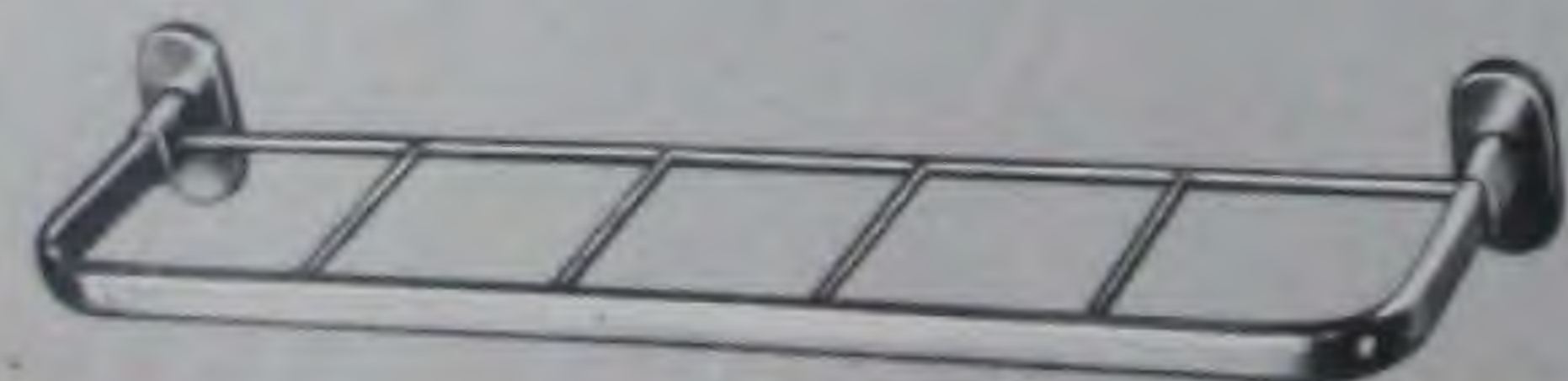
Length:	6"	11½"	16½"
Number of divisions:	—	1	2
	18/-	29/-	36/6 each



8000



8022



8011



8013

ANTIQUE IRONWORK

Malleable Iron, Sherardized and finished Dull Black.

DOOR HINGES



4442

12" x 6", 26/6; 18" x 6", 32/-; 24" x 6", 44/- pair



4467

8" x 3 3/4"
9/6 pair

4465

3 1/4" x 1 3/4"
6/- pair

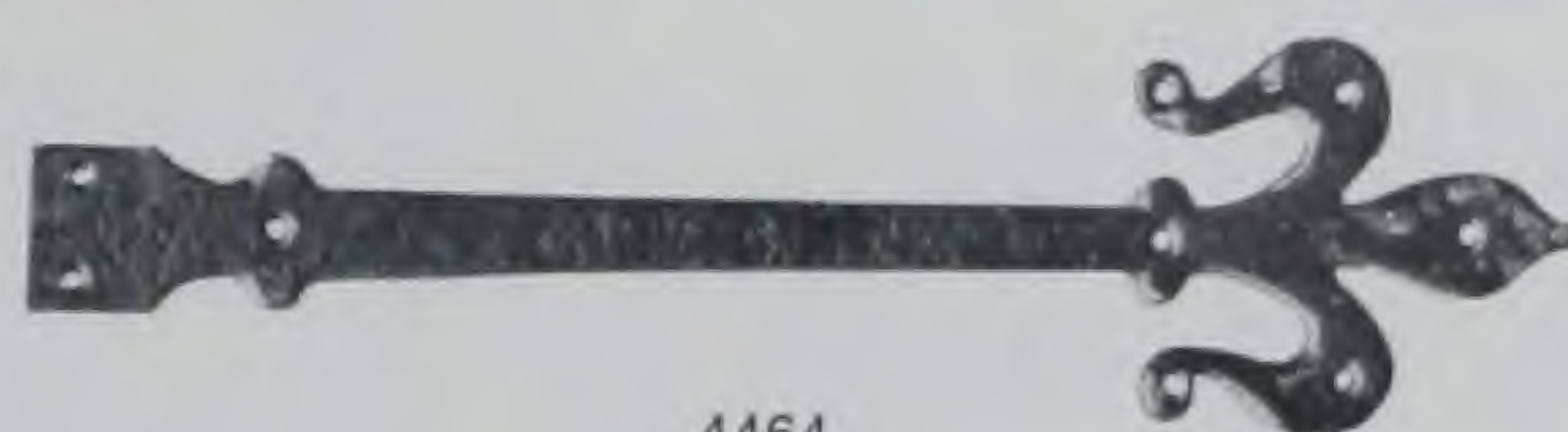


HINGE FRONTS



4463

18" x 5 1/4" .. 26/6 pair



4464

16" x 4 1/2" .. 15/6 pair
18" x 4 1/2" .. 18/6 "
20" x 4 1/2" .. 22/- "

POSTAL KNOCKERS



2941

Plate 8" x 3 3/4". Opening 4 1/2" x 1 1/4".
16/- each

2942

With hole for
Cylinder Latch.
Plate 15" x 2 1/4"
Opening 5 1/2" x 1 3/8"
32/6 each
(Latch extra)



DOOR KNOCKER

4469

Plates 2 3/4"
Ring 5"
19/- each

LETTER PLATE



4300

Plate 12" x 3". Opening 6" x 1 1/2".
15/3 each

DOOR HANDLE

4451

8 1/4"
7/6 each



Prices include Screws or Bolts for fixing.

ANTIQUE IRONWORK

Malleable Iron, Sherardized and finished Dull Black.

MORTICE LOCK FURNITURE. With Plain Spindles.



4476
Spring-loaded.
Plate 6" x 2"
Handle 4"
32/6 set



4477
Spring-loaded.
Plate 6" x 2½"
Handle 4"
30/- set



4479
Plate 7" x 2⅜"
Knob 2½"
21/6 set



4480
Plate 8" x 2⅝"
Knob 2"
19/6 set

DOOR BOLT



4448
Bolt 8", Plate 8½" x 3½"
11/6 each

DOOR LATCHES



4450
Latch 4¾", Handle 6"
10/- each



2984
Latch 5", Handle 8"
13/- each



CASEMENT STAY
4481
10" .. 5/6 each

GOTHIC HEAD SCREWS

2892
¾" x ¼" .. 5/3 doz.



CASEMENT FASTENER



4482
Reversible
Hook .. 6/3 each
Mortice .. 5/9 ..

FRENCH CASEMENT FASTENER



4483
Reversible
With Locking Catch
15/3 each

GOTHIC HEAD NAILS

2893
¾" .. 6/3 doz.



Prices include Screws or Bolts for fixing.

ILLUMINATED SIGNS

Illuminated Signs can be made in various forms to suit individual requirements. Illustrations on this page are examples of some of the more usual types, but there is practically no limit to the ways in which perspex can be adapted for advertising and directional signs and illuminated fascias.

- A. Opal perspex box, with perspex moulded letters cemented to one face. Suspended on chains and fitted with a fluorescent tube.
- B. Perspex box sign with black or coloured surround. Lettering in flat cut-out perspex cemented to opal face(s). Can be supplied for fixing to a wall or hung by hooks to a bar. Illumination by tungsten lamps or alternatively fluorescent tubes.
- C. Sign comprising separate built-up Letters cemented to moulded perspex illuminated backgrounds with side fixings to wall.
- D. Exit Sign constructed of sheet steel and stove enamelled. Opal perspex face with red lettering of cut-out perspex.
- E. Reverse engraved and coloured lettering on clear perspex plate. Edge illuminated by lamp unit finished neutral bronze. Available in 12", 15", 21", 27" and 31" lengths.
- F. Internally illuminated sign in tinted perspex, reverse engraved. Available in pink, blue or gold tinted, and in lengths as example E.

For choice of Lettering Styles, see pages 168 and 169.

Prices on application.

E. CLAYTON
ELECTRICAL ENGINEERS

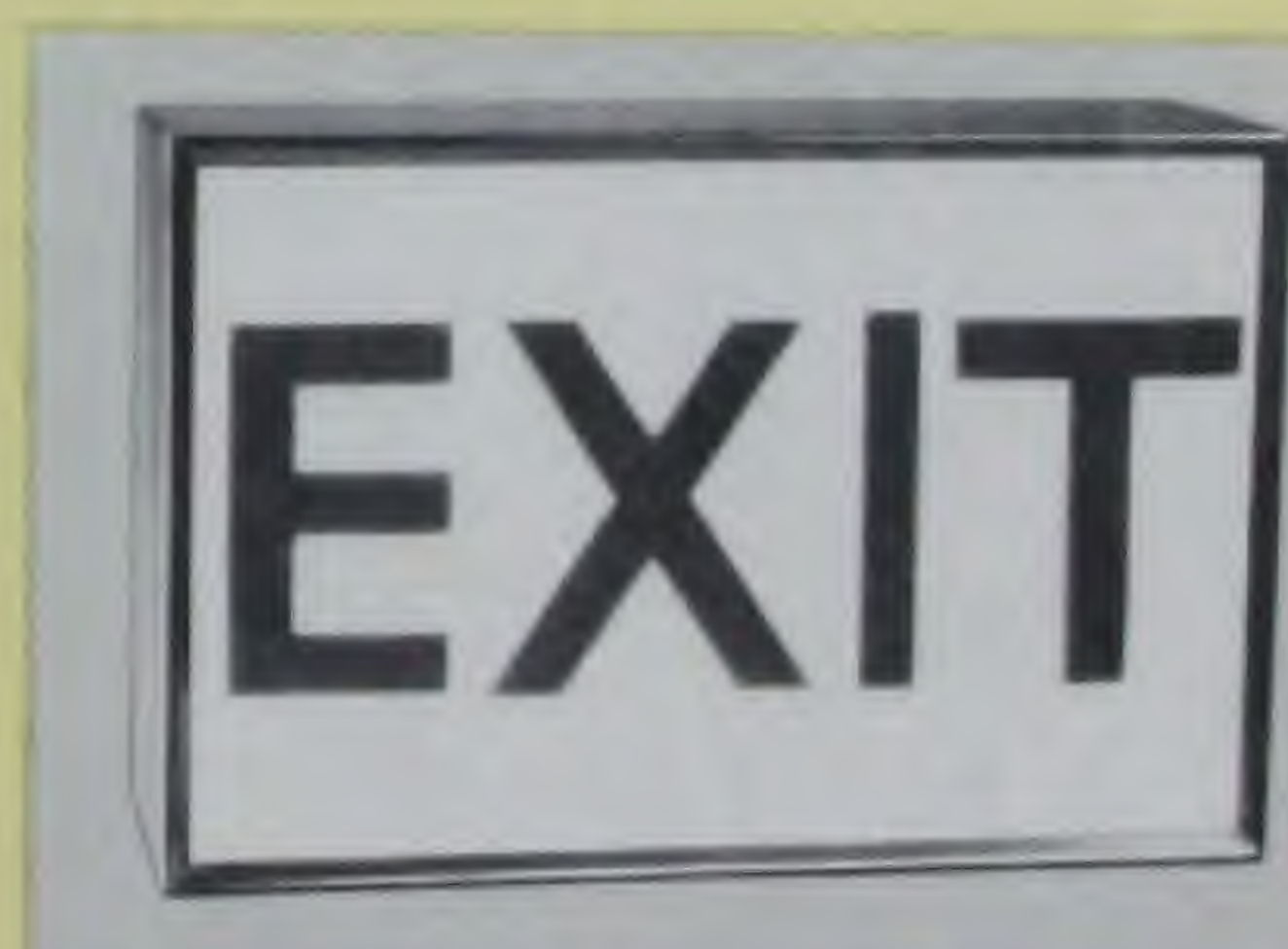
A



B



C



D



E



F



SIGN LETTERS



Clarendon

Playbill

Beton

Ultra Bodoni
Vertical

METAL BUILT-UP LETTERS



Gill Sans
Condensed

Egyptian
Italic

Gill Sans
Medium

Trajan
Roman

WOOD LETTERS



Gill Sans
Bold

Rockwell Italic
Condensed

Grotesque
Vertical

Perpetua
Roman

"LETTERCAST" PLASTIC LETTERS

METAL BUILT-UP LETTERS are constructed of lead-coated sheet steel or sheet brass, stove-enamelled in any B.S.S. colour, with returns in a contrasting colour.

The bolder lettering styles are available with raised beaded edges, with returns and beads in one colour and the face in another. The faces of beaded letters may also be in perspex and illuminated with internal neon tubes.

A large range of sizes from 6" upwards can be supplied in a variety of styles with returns of appropriate size. Available either for keyhole fixing direct to fascia, or with brass locator screws for stand-off fixing.

Examples of individual metal letters in varying lettering styles are shown on the left. Other popular styles are as shown below for wood letters, and for Perspex Name Plates on pages 168 and 169.

The metal letters described above are those in more common use, but many variations and adaptations are possible. Special proprietary name styles can be made to order. Lettering style sheets to scale are available on request.

WOOD LETTERS are made from seasoned hardwood $\frac{7}{8}$ " thick in a range of sizes from 4" upwards. They may be supplied unpainted, primed or finished in any B.S.S. colour.

Examples of Wood Letters are shown on the left. Other lettering styles available as for Metal Letters above.

"LETTERCAST" PLASTIC LETTERS are foam-filled, with a P.V.C. covering, and are available in a range of sizes from 4" to 18". Examples are shown on the left.

They are made in red, blue, green, yellow, black and white, and in the following lettering styles:—

Perpetua Roman,
Grotesque Vertical

Gill Sans Bold
Rockwell

SIGN LETTERS

PERSPEX

Perspex is becoming increasingly popular as an advertising medium due to its versatility and strength. The colour is solid throughout the material and possesses remarkable stability and non-fade qualities.

Perspex letters are used for shop fascias, public buildings, factories, hotels, directional signs and for advertising purposes.

BUILT-UP LETTERS can be supplied from 6" upwards in all popular colours, or with face and return in two contrasting colours. Individual Built-up Letters are fitted with Brass Stand-off Locator Screws for fixing to fascia or wall. Alternatively, they can be supplied cemented to a Perspex background.

BUILT-UP LETTERS TO TAKE NEON TUBES. These are the same as described above, but have a 3" return to conceal the tube. Letters are fixed to the fascia with screws, and leads taken through the fascia to transformers usually inside the premises. Letters are supplied wired ready for connection. Fixing by specialists can usually be arranged.

FLAT CUT-OUT LETTERS, 6" and upwards, are available in all popular colours. Edges can be in a contrasting colour, if required. These letters can be supplied plain, for fixing with adhesive to flat surfaces, or fitted with Stand-off Locator Screws. Alternatively they can be supplied already cemented to a Perspex background. For sizes below 6", see page 168.

MOULDED LETTERS can be supplied in all popular colours, as follows:—

Roman style: 5½", 8" or 12".

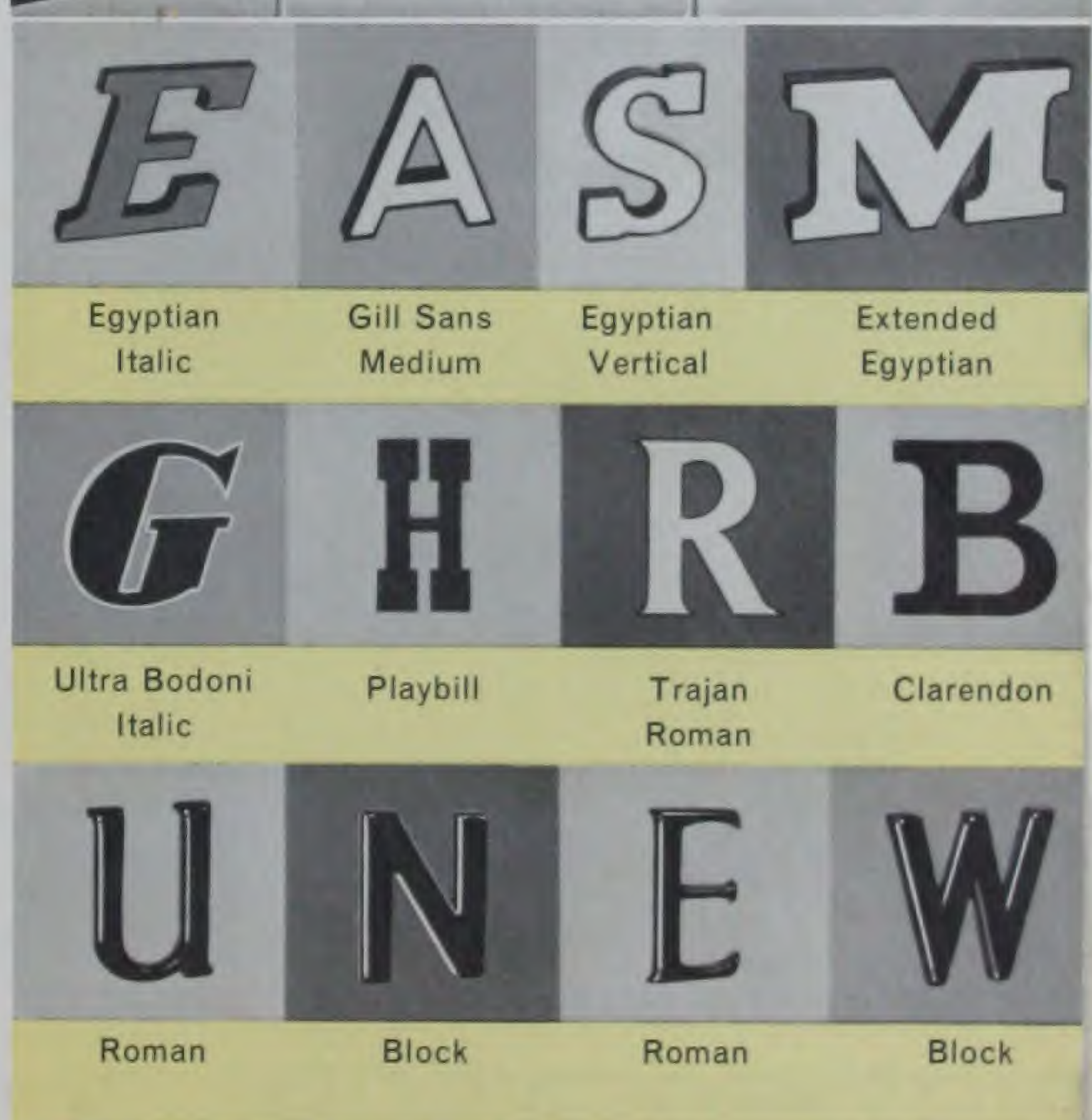
Block style: 1½", 3", 4", 6", 9", 12" or 15".

These letters may be fixed with adhesive, or alternatively can be supplied already cemented to a Perspex background.

The illustrations on this page show only a small selection of the many lettering styles available. Other popular styles are illustrated on pages 168 and 169.

Lettering Style Sheets to scale are available on request.

Prices on application.



A. SHEPHERD & SON
RADIO & TELEVISION

SIGN LETTERS

CAST METAL

R

Trajan

T

Egyptian Italic

N

Newbold

D

Gill Sans

Cast Metal Letters are available in Bronze with Vitreous Enamel filling, or in Aluminium, Stove Enamelled. Sizes range between 2" and 24" according to style. Trajan and Gill Sans styles can also be supplied down to $\frac{3}{4}$ ".—Prices on application.

LETTERING STYLES FOR SIGN LETTERS AND NAME PLATES (Pages 164 to 167) WITH AVAILABILITY INDICATION

TRAJAN ABCD

PERPETUA ABCD

ROMAN "A" ABCD

MODERN ROMAN ABCD

EGYPTIAN VERTICAL **ABCD**

EGYPTIAN ITALIC ***ABCD***

BODONI ***ABC***

Cast
Engraved

GILL SANS

MODERN BLOCK

BLOCK "I"

KABEL

NEWBOLD

DORIC

PLAYBILL

ABCD

ABCD

ABCD

ABCD

ABCD

ABC

ABCDEF

Cast
Engraved

NAME PLATES

SILVER BRONZE AND ALUMINIUM



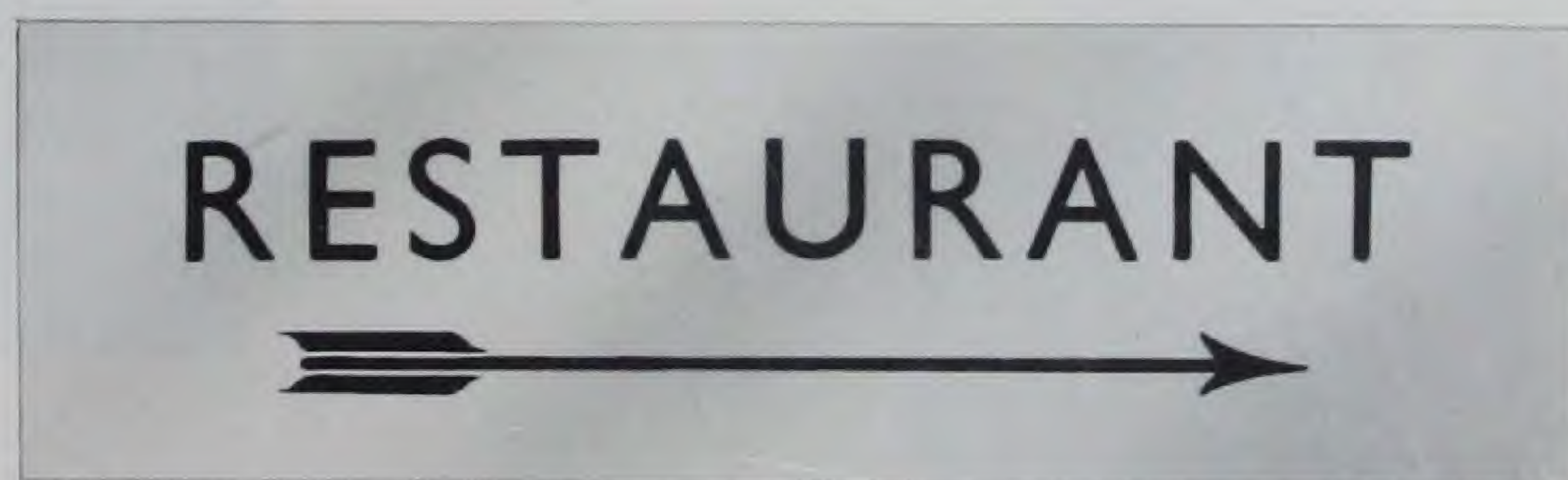
C



B



A

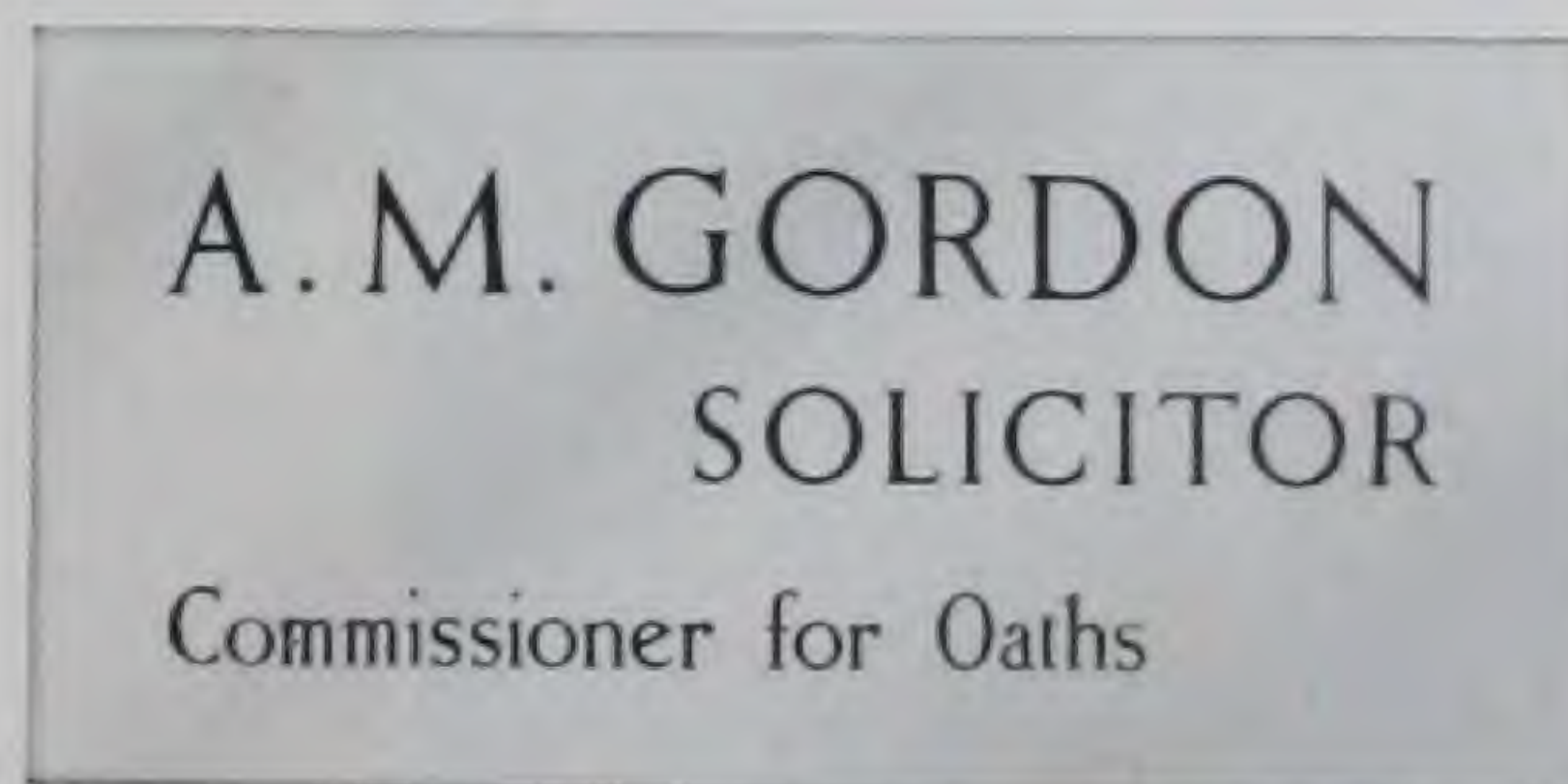


D

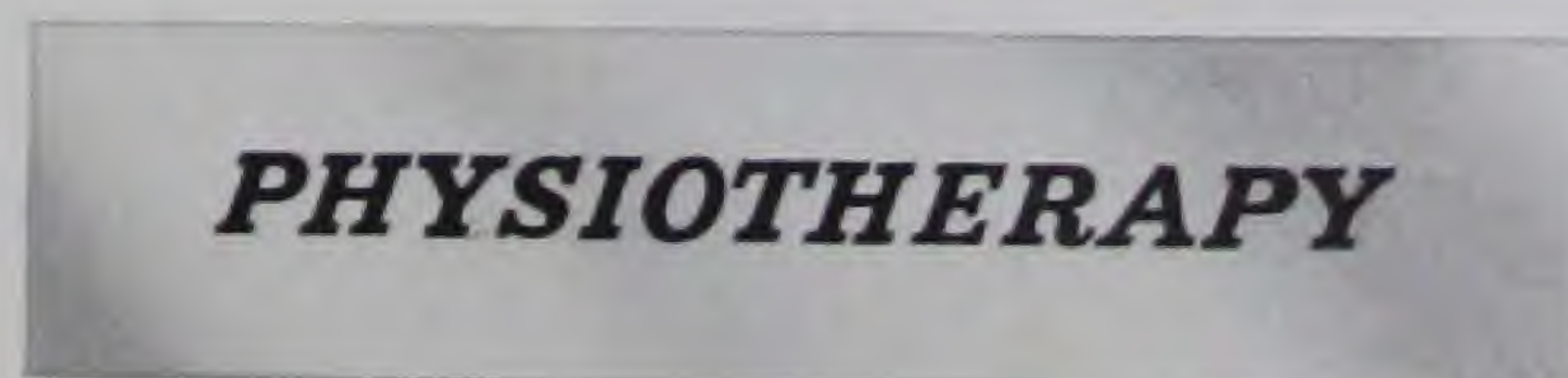
- A. Engraved Silver Bronze with Black Vitreous Enamelled lettering.
- B. As 'A'.
- C. Engraved Silver Anodised Aluminium with holes for bell pushes. Black Wax filled lettering.
- D. Engraved Silver Anodised Aluminium with Black Wax filled lettering.
- E. Engraved Silver Bronze with Black Vitreous Enamelled lettering.
- F. Engraved Silver Anodised Aluminium with Black Wax filled lettering.

A chart showing the more popular lettering styles is given on page 164. When ordering, please state type and size of plate, together with style of lettering, etc., required.

Prices on application.



E



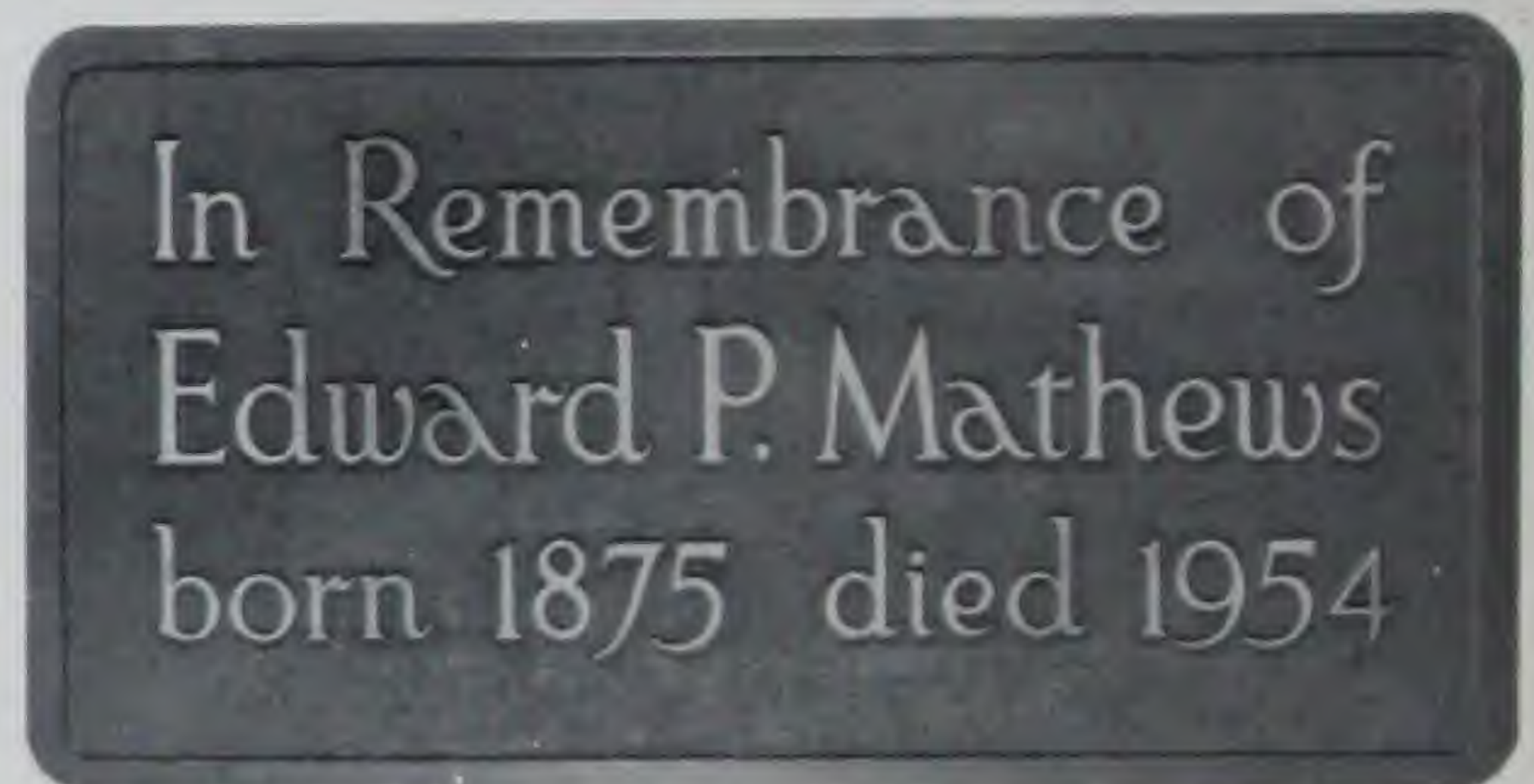
F

MEMORIAL PLATES & PLAQUES

BRONZE



A



B



C



D



E

- A. Engraved Bronze with Enamelled lettering. Applied cast Bronze motif in relief. Bronze moulding.
- B. Wrought Bronze. Lettering and border in relief. Lettering Vitreous Enamelled. Background matted.
- C. Wrought Bronze. Lettering and border in relief. Lettering Vitreous Enamelled. Background chisel cut.
- D. Cast Bronze Royal Cypher.
- E. Wrought Bronze Crest. Incised detail. Background chisel cut.

Vitreous Enamelled lettering for Bronze Plates is available in Cream, White, Yellow, Green or Blue.

Prices on application.

NAME PLATES

BRONZE



B

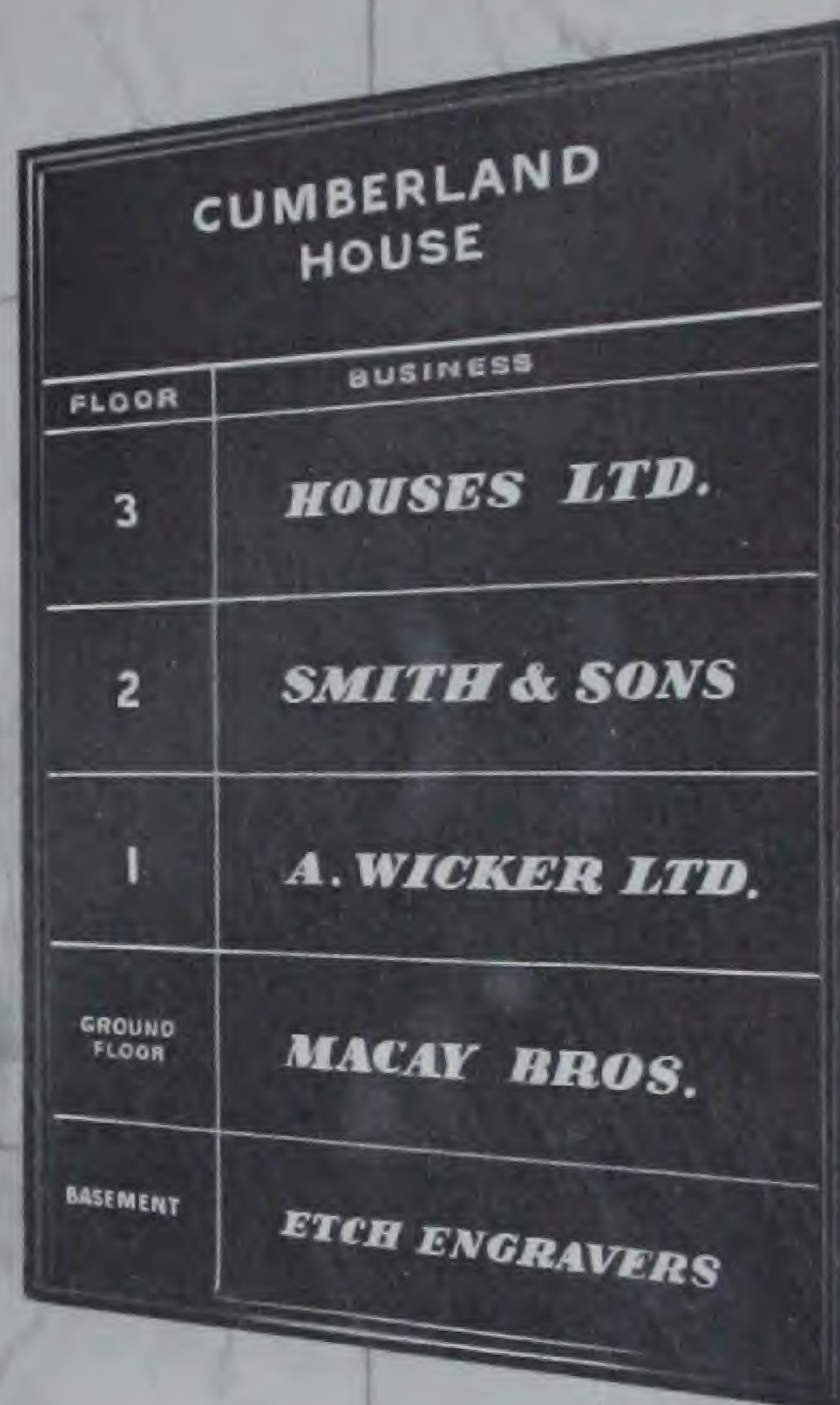


C

- A. Engraved Bronze with Vitreous Enamelled lettering. Inter-changeable name plates. Bronze moulded frame.
- B. Wrought Bronze. Lettering and border in relief and Vitreous Enamelled. Background chisel cut.
- C. Engraved Bronze with Vitreous Enamelled lettering. Plain Bronze frame.
- D. Engraved Bronze with Vitreous Enamelled lettering. Bronze Monogram with enamelled ground.
- E. Engraved Bronze with Vitreous Enamelled lettering. Plain Bronze frame. Gravity flap.

A chart showing the more popular lettering styles is given on page 164. When ordering, please state type and size of plate, together with style of lettering, etc., required.

Prices on application.



A



D



E

FIRST FLOOR KITCHENS BATHROOM
AND ELECTRICAL
SHOWROOM

GROUND FLOOR RECEPTION AND
FIREPLACE SHOWROOM

**LETTERING
SERVICE**

ELAINE
costumier

*please ring
for lift*

LOUNGE

RECEPTION

S.W GAS BOARD

ENTRANCE

20

R. F. JONES

NAME PLATES

PERSPEX

PLATES WITH CUT-OUT LETTERS

These Name Plates comprise coloured Perspex cut-out letters cemented to Perspex sheet.

The Plates described and illustrated on this page show the various lettering styles available. Sizes and colours of both letters and plates may be varied to suit individual requirements.

- A. SANS CONDENSED. 1" White letters on 16" x 10" Blue plate.
- B. CLARENDON. 1" Red letters on 12" x 6" shaped Grey plate.
- C. PLAYBILL. 1½" and ⅝" Red letters on 6¾" x 3¼" White plate.
- D. ULTRA BODONI ITALIC, LOWER CASE. ⅞" Blue letters on 8" x 2½" White plate.
- E. ELONGATED ROMAN. 1½" Red letters on 8¾" x 2½" Yellow plate.
- F. TRAJAN ROMAN. 1" Black letters on 9" x 2½" Pale Green plate.
- G. GILL SANS MEDIUM. 1" Red letters on 12½" x 2½" Grey plate.
- H. EGYPTIAN ITALIC. 1" Green letters on 12¼" x 2¾" Cream plate.
- J. EGYPTIAN ITALIC. 1" White numbers on 8" x 2½" Maroon plate. This type of name plate can be supplied in series for apartments, flats or offices.

CUT-OUT LETTERS ONLY

Perspex cut-out letters can also be supplied separately, either for fixing with adhesive, or fitted with fixing spikes. They are available in all the styles described above, and in a full range of sizes below 6". For 6" and larger sizes, see page 163.

N.B.—Coloured Perspex plates are available in the I.C.I. range of colours, all of which are solid throughout the depth of the material. The colours retain their brightness, and do not fade or change on exposure to the elements.

Prices on application.

NAME PLATES

PERSPEX

REVERSE ENGRAVED PLATES

The lettering is engraved into the back of clear Perspex sheet. The engraving is filled with colour, and the background either left clear or sprayed with a contrasting colour.

Illustrations are representative of the various lettering styles available, as described below. Sizes and colours of both letters and plates may be varied to suit individual requirements.

- A. PERPETUA ROMAN. $\frac{7}{8}$ " Red letters on Clear $12" \times 4\frac{1}{2}"$ plate.
- B. GILL SANS MEDIUM. $\frac{7}{8}$ " Yellow letters on White $10" \times 4"$ plate.
- C. SANS CONDENSED. 1" Green letters on Clear $14" \times 2\frac{1}{4}"$ plate.
- D. EGYPTIAN VERTICAL. $\frac{7}{8}$ " Black letters on Clear $5\frac{1}{2}" \times 3\frac{1}{2}"$ plate.
- E. DORIC VERTICAL. $\frac{7}{8}$ " Blue letters with White outline on Clear $4\frac{1}{2}" \times 3"$ plate.
- F. ULTRA BODONI ITALIC, LOWER CASE. $\frac{1}{2}"$ ($\frac{3}{4}"$ ascending) Pale Blue letters with White outline on Black $9\frac{1}{2}" \times 1\frac{3}{4}"$ plate.
- G. EGYPTIAN ITALIC. $\frac{3}{4}"$ Red Letters with White outline on Clear $10\frac{3}{4}" \times 2\frac{1}{4}"$ plate.
- H. ROCKWELL. $\frac{1}{2}"$ Black letters with White outline on Clear $10" \times 1\frac{3}{4}"$ plate.

FRONT ENGRAVED PLATES

The lettering is engraved and coloured on the front. The plate can be either Coloured or Clear Perspex.

- J. CLARENDON. $\frac{7}{8}"$ Cream letters on Blue $11\frac{1}{4}" \times 2"$ plate.
- K. TRAJAN ROMAN. An example of an apartment indicator panel consisting of a Maroon Perspex frame $12\frac{1}{2}"$ wide with 1" White Perspex room numbers cemented on, and with removable nameplates $9\frac{1}{4}" \times 1\frac{1}{4}"$, having $\frac{1}{2}"$ White letters. These panels can be supplied to cover a number of rooms and names as required.

Prices on application.

RECEPTION
1ST FLOOR

A

SHOWROOM
OFFICES

B

STAFF CONTROLLER

C

BOYS

D

MEN

E

no smoking

F

PUBLIC BAR

G

COUNCIL CHAMBER

H

MANAGER

J

1
24

H. C. MARTIN

MR. W. PERCIVAL

K

Cloakroom

8950

PRIVATE

8951

PUSH

8952

PULL

8952

GENTLEMEN

8953

CLOAKROOM

8954

PUSH

8953

PULL

8954

ROCKMEAD

3860

PARKSIDE

3872

A B C 1 2 3

8960

NAME PLATES AND LETTERS

REVERSE ENGRAVED PERSPEX

Standard Wordings.

- 8950 Clear Perspex, Blue letters with White outline. Ultra Bodoni Italic style, $\frac{1}{2}$ " letters ($\frac{3}{4}$ " ascending letters).
 $9\frac{1}{2}$ " \times $1\frac{3}{4}$ ". "Gentlemen", "Enquiries", "Cloakroom" 18/- each
 8 " \times $1\frac{3}{4}$ ". "Private", "Toilet", "Ladies" 14/- "
- 8951 Clear Perspex, Red letters, Trajan Roman style, $\frac{3}{4}$ " letters.
 9 " \times 2 ". "Gentlemen", "Enquiries", "Cloakroom" 13/6 each
"Private", "Toilet", "Ladies" 10/6 "
- 8952 Clear Perspex, Red or Blue letters, Egyptian Italic style, $\frac{1}{2}$ " letters.
 3 " \times $1\frac{1}{2}$ ". "Push" "Pull" 8/- each

ENGRAVED BRONZE AND SILVER BRONZE

Enamelled letters, Block "G" style.

Standard Wordings.

- 8953 Engraved Bronze, Cream letters.
- 8954 Engraved Silver Bronze, Black letters.
- 6 " \times $1\frac{1}{2}$ ", $\frac{2}{16}$ " letters. "Gentlemen", 8953 8954
"Enquiries", "Cloakroom",
"Private", "Toilet", "Ladies" 11/6 17/- each
 $2\frac{1}{2}$ " \times $1\frac{1}{2}$ ", $\frac{3}{4}$ " letters. "Push" "Pull" 5/- 7/- "

All above prices include Wood Screws for fixing.

HOUSE NAME PLATES

- 3860 Engraved Bronze, Cream Enamelled letters, or Engraved Silver Bronze, Black Enamelled letters. Block "G" style. 1" letters on 2" plate, length according to number of letters—prices on application.
- 3872 Cast Bronze, Raised Block letters, Enamel filled in Cream, White, Yellow, Green or Blue. 1" letters on 2" plate, length according to number of letters—prices on application.

"OGRO" LETTERS AND NUMERALS

- 8960 With Spike Fixing. Height $\frac{3}{4}$ " $\frac{1}{8}$ " $1\frac{2}{16}$ "
Satin Silver Finish .. 2/9 3/3 4/- each

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